

CERTIFICATE OF CONFORMITY OF THE FACTORY PRODUCTION CONTROL

Certificate No.:
0496-CPR-0281 Rev. 1

Initial date:
07 June 2019

This Certificate consists in 1 page

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction products

Aggregates for concrete

produced by

FERRARI GRANULATI S.r.l.

Via Catena, 7 - 37023 Grezzana (VR) - Italia

and produced in the manufacturing plant

FERRARI GRANULATI S.r.l.

Via Catena, 7 - 37023 Grezzana (VR) - Italia

This Certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard

EN 12620:2002+A1:2008

under system 2+ are applied and that the factory production control fulfils all the prescribed requirements set out above.

This Certificate will remain valid as long as the test methods and/or factory production control requirements included in the harmonized standard, used to assess the performance of the declared characteristics, do not change, and the products and the manufacturing conditions in the plant are not modified significantly.

Place and date:
Vimercate, 11 May 2023



SGQ N° 003 A
SGA N° 003 D
SGE N° 007 M
SCR N° 004 F

EMAS N° 009 P
PRD N° 003 B
PRS N° 094 C
SSI N° 002 G

Membro di MLA EA per gli schemi di accreditamento
SGQ, SGA, PRD, PRS, ISP, GHG, LAB e LAT, di MLA IAF
per gli schemi di accreditamento SGQ, SGA, SSI, FSM
e PRD e di MRA ILAC per gli schemi di accreditamento
LAB, MED, LAT e ISP

For the Notified Body 0496:
DNV
Via Energy Park, 14, 20871 Vimercate (MB),
Italy



Maurizio Bellina
Management Representative



Ferrari Granulati srl
Via Catena, 7 - 37023 Grezzana (VR) Italy
0496-CPR-0281
EN 12620:2002 + A1:2008



BARDIGLIO

Natural aggregate constituted by grains entirely of gray microcrystalline limestone with white veins deriving from marble quarries of Carrara, for use in concrete

| LEGEND | | SIZE | | | | | | |
|--|-------------------|------------|-------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Commercial denomination | | BR000 | BR1 | BR2 | BR3 | BR4 | BR5 | BR6 |
| Number of declaration of performance | | BR000/25 | BR1/25 | BR2/25 | BR3/25 | BR4/25 | BR5/25 | BR6/25 |
| Aggregate designation | d/D | 0/1 | 0/4 | 2/5 | 4/8 | 5/11 | 10/14 | 12/20 |
| Aggregate designation | category | GF 85 | G _F 85 | G _C 85-20 | G _C 85-20 | G _C 85-20 | G _C 85-20 | G _C 85-20 |
| Particle density | Mg/m ³ | 2,5 | 2,7 | 2,7 | 2,7 | 2,7 | 2,7 | 2,7 |
| Water absorption | % | NPD | < 1% | < 1% | < 1% | < 1% | < 1% | < 1% |
| Fines content | category | f22 | f3 | f1,5 | f1,5 | f1,5 | n | f1,5 |
| Sand equivalent | declared value | < SE70 | NPD | NPD | NPD | NPD | NPD | NPD |
| Methylene blue value | declared value | MB≤1,0 | NPD | NPD | NPD | NPD | NPD | NPD |
| Resistance to fragmentation/crushing | category | LA50 | | | | | | |
| Chlorides | declared value | C < 0,005% | | | | | | |
| Acid soluble sulfates | category | AS0,2 | | | | | | |
| Total sulfur | declared value | S < 1% | | | | | | |
| Determination of humus content | pass/fail | Fail | | | | | | |
| Presence of lightweight contaminators | declared value | mLPC0,03 | NPD | NPD | NPD | NPD | NPD | NPD |
| Durability against freeze/thaw | category | F1 | | | | | | |
| Durability against alkalisilica reactivity | declared value | RA1 | | | | | | |
| Petrographic analysis | declared value | Calcareous | | | | | | |

| Particle size - Designation d/D | | BR000 | | BR1 | | BR2 | | BR3 | |
|---------------------------------|----------------------------|-------|------|-------|-----|-------|------|-----|------|
| Typical grading | sieve (mm) passing cum. | 1 | 100 | 4 | 100 | 5,6 | 100 | 8 | 100 |
| | | 0,5 | 97,6 | 2 | 59 | 4 | 80,1 | 5,6 | 41,8 |
| | | 0,25 | 71,7 | 1 | 2,4 | 2 | 1,6 | 4 | 2,3 |
| | | 0,125 | 37,2 | 0,25 | 0,1 | 1 | 0,3 | 2 | 0,2 |
| | | 0,063 | 17,5 | 0,063 | 0,1 | 0,063 | 0,1 | | |

| Particle size - Designation d/D | | BR4 | | BR5 | | BR6 | | | |
|---------------------------------|----------------------------|------|------|------|------|------|------|--|--|
| Typical grading | sieve (mm) passing cum. | 11,2 | 90,9 | 14 | 92,9 | 20 | 100 | | |
| | | 8 | 16,1 | 12,5 | 12,5 | 16 | 62,9 | | |
| | | 5,6 | 0,2 | 10 | 10 | 14 | 21 | | |
| | | 2 | 0,1 | 5,6 | 5,6 | 12,5 | 4,9 | | |
| | | | | | | 6,3 | 0,1 | | |

Grezzana, 14/04/2025

Ferrari Granulati srl

Quality manager

Alberto Ferrari

DECLARATION OF PERFORMANCE

BR000/25

- 1) Unique identification code of the product-type: **BARDIGLIO 000**
- 2) Intended use: Natural aggregate constituted by grains entirely of gray microcrystalline limestone with white veins deriving from marble quarries of Carrara, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
 - ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 0/1 | EN 12620:2002 + A1:2008 |
| Particle size | Gf 85 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,5 | |
| Water absorption | NPD | |
| Fines content | f22 | |
| Fines quality and equivalent | < SE70 | |
| Methylene blue value | MB<1,0 | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA50 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 1 | 100 | 0,125 | 37,2 |
| 0,5 | 97,6 | 0,063 | 17,5 |
| 0,25 | 71,7 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

BR1/25

- 1) Unique identification code of the product-type: **BARDIGLIO 1**
- 2) Intended use: Natural aggregate constituted by grains entirely of gray microcrystalline limestone with white veins deriving from marble quarries of Carrara, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 0/4 | EN 12620:2002 + A1:2008 |
| Particle size | Gf 85 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f3 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA50 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 4 | 100 | 0,25 | 0,1 |
| 2 | 59 | 0,063 | 0,1 |
| 1 | 2,4 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

BR2/25

- 1) Unique identification code of the product-type: **BARDIGLIO 2**
- 2) Intended use: Natural aggregate constituted by grains entirely of gray microcrystalline limestone with white veins deriving from marble quarries of Carrara, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
 - ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 2/5 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA50 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |


*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 5,6 | 100 | 1 | 0,3 |
| 4 | 80,1 | 0,063 | 0,1 |
| 2 | 1,6 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

BR3/25

- 1) Unique identification code of the product-type: **BARDIGLIO 3**
- 2) Intended use: Natural aggregate constituted by grains entirely of gray microcrystalline limestone with white veins deriving from marble quarries of Carrara, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 4/8 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA50 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 8 | 100 | 2 | 0,2 |
| 5,6 | 41,8 | | |
| 4 | 2,3 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

BR4/25

- 1) Unique identification code of the product-type: **BARDIGLIO 4**
- 2) Intended use: Natural aggregate constituted by grains entirely of gray microcrystalline limestone with white veins deriving from marble quarries of Carrara, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
 - ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 5/11 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA50 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 11,2 | 90,9 | 2 | 0,1 |
| 8 | 16,1 | | |
| 5,6 | 0,2 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

BR5/25

- 1) Unique identification code of the product-type: **BARDIGLIO 5**
- 2) Intended use: Natural aggregate constituted by grains entirely of gray microcrystalline limestone with white veins deriving from marble quarries of Carrara, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
 - ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 10/14 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | n | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA50 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 2)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 14 | 92,9 | 5,6 | 0,1 |
| 12,5 | 52,5 | | |
| 10 | 3,1 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

BR6/25

- 1) Unique identification code of the product-type: **BARDIGLIO 6**
- 2) Intended use: Natural aggregate constituted by grains entirely of gray microcrystalline limestone with white veins deriving from marble quarries of Carrara, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
 - ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 12/20 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA50 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 2)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 20 | 100 | 12,5 | 4,9 |
| 16 | 62,9 | 6,3 | 0,1 |
| 14 | 21 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager



Ferrari Granulati srl
Via Catena, 7 - 37023 Grezzana (VR) Italy
0496-CPR-0281
EN 12620:2002 + A1:2008



BIANCO CARRARA

Natural aggregate petrographically homogeneous entirely constituted by white fragments of microcrystalline and saccharoid limestones deriving from marble quarries of Carrara, for use in concrete

| LEGEND | | SIZE | | | | | | |
|--|-------------------|--------------|-------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Commercial denomination | | BC000 | BC1 | BC2 | BC3 | BC4 | BC5 | BC6 |
| Number of declaration of performance | | BC000/25 | BC1/25 | BC2/25 | BC3/25 | BC4/25 | BC5/25 | BC6/25 |
| Aggregate designation | d/D | 0/1 | 0/4 | 2/5 | 4/8 | 5/11 | 10/14 | 12/20 |
| Aggregate designation | category | GF 85 | G _F 85 | G _C 85-20 | G _C 85-20 | G _C 85-20 | G _C 85-20 | G _C 85-20 |
| Particle density | Mg/m ³ | 2,5 | 2,7 | 2,7 | 2,7 | 2,7 | 2,7 | 2,7 |
| Water absorption | % | NPD | < 1% | < 1% | < 1% | < 1% | < 1% | < 1% |
| Fines content | category | f16 | f3 | f1,5 | f1,5 | f1,5 | f1,5 | f1,5 |
| Sand equivalent | declared value | < SE70 | NPD | NPD | NPD | NPD | NPD | NPD |
| Methylene blue value | declared value | MB≤1,0 | NPD | NPD | NPD | NPD | NPD | NPD |
| Resistance to fragmentation/crushing | category | LA50 | | | | | | |
| Chlorides | declared value | C < 0,005% | | | | | | |
| Acid soluble sulfates | category | AS0,2 | | | | | | |
| Total sulfur | declared value | S < 1% | | | | | | |
| Determination of humus content | pass/fail | Fail | | | | | | |
| Presence of lightweight contaminators | declared value | mLPC0,03 | NPD | NPD | NPD | NPD | NPD | NPD |
| Durability against freeze/thaw | category | F1 | | | | | | |
| Durability against alkalisilica reactivity | declared value | RA1 | | | | | | |
| Petrographic analysis | declared value | Calcareous | | | | | | |

| Particle size - Designation d/D | | BC000 | | BC1 | | BC2 | | BC3 | |
|---------------------------------|----------------------------|-------|------|-------|------|-------|------|-----|------|
| Typical grading | sieve (mm) passing cum. | 1 | 100 | 4 | 100 | 5,6 | 100 | 8 | 99,2 |
| | | 0,5 | 98,7 | 2 | 49,7 | 4 | 83,5 | 5,6 | 54,1 |
| | | 0,25 | 68,1 | 1 | 1,7 | 2 | 3,3 | 4 | 4,3 |
| | | 0,125 | 26,6 | 0,25 | 0,5 | 1 | 1,8 | 2 | 1,5 |
| | | 0,063 | 14,2 | 0,063 | 0,1 | 0,063 | 0,4 | | |

| Particle size - Designation d/D | | BC4 | | BC5 | | BC6 | | | |
|---------------------------------|----------------------------|------|------|------|------|------|------|--|--|
| Typical grading | sieve (mm) passing cum. | 11,2 | 99,3 | 14 | 90,5 | 20 | 100 | | |
| | | 8 | 34,7 | 12,5 | 12,5 | 16 | 50,5 | | |
| | | 5,6 | 3,3 | 10 | 10 | 14 | 7,6 | | |
| | | 2 | 1,6 | 5,6 | 5,6 | 12,5 | 2,7 | | |
| | | | | | | 6,3 | 0,7 | | |

Grezzana, 14/04/2025

Ferrari Granulati srl

Quality manager

Alberto Ferrari

DECLARATION OF PERFORMANCE

BC000/25

- 1) Unique identification code of the product-type: **BIANCO CARRARA 000**
- 2) Intended use: Natural aggregate petrographically homogeneous entirely constituted by white fragments of microcrystalline and saccharoid limestones deriving from marble quarries of Carrara, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
 - ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 0/1 | EN 12620:2002 + A1:2008 |
| Particle size | Gf 85 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,5 | |
| Water absorption | NPD | |
| Fines content | f16 | |
| Fines quality and equivalent | < SE70 | |
| Methylene blue value | MB<1,0 | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA50 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 1 | 100 | 0,125 | 26,6 |
| 0,5 | 98,7 | 0,063 | 14,2 |
| 0,25 | 68,1 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

BC1/25

- 1) Unique identification code of the product-type: **BIANCO CARRARA 1**
- 2) Intended use: Natural aggregate petrographically homogeneous entirely constituted by white fragments of microcrystalline and saccharoid limestones deriving from marble quarries of Carrara, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
 - ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 0/4 | EN 12620:2002 + A1:2008 |
| Particle size | Gf 85 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f3 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA50 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 4 | 100 | 0,25 | 0,5 |
| 2 | 49,7 | 0,063 | 0,1 |
| 1 | 1,7 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

BC2/25

- 1) Unique identification code of the product-type: **BIANCO CARRARA 2**
- 2) Intended use: Natural aggregate petrographically homogeneous entirely constituted by white fragments of microcrystalline and saccharoid limestones deriving from marble quarries of Carrara, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHARACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 2/5 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA50 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freeze-thaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkali-silica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |


*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 5,6 | 100 | 1 | 1,8 |
| 4 | 83,5 | 0,063 | 0,4 |
| 2 | 3,3 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

BC3/25

- 1) Unique identification code of the product-type: **BIANCO CARRARA 3**
- 2) Intended use: Natural aggregate petrographically homogeneous entirely constituted by white fragments of microcrystalline and saccharoid limestones deriving from marble quarries of Carrara, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
 - ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 4/8 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA50 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 8 | 99,2 | 2 | 1,5 |
| 5,6 | 54,1 | | |
| 4 | 4,3 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

BC4/25

- 1) Unique identification code of the product-type: **BIANCO CARRARA 4**
- 2) Intended use: Natural aggregate petrographically homogeneous entirely constituted by white fragments of microcrystalline and saccharoid limestones deriving from marble quarries of Carrara, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 5/11 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA50 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 11,2 | 99,3 | 2 | 1,6 |
| 8 | 34,7 | | |
| 5,6 | 3,3 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

BC5/25

- 1) Unique identification code of the product-type: **BIANCO CARRARA 5**
- 2) Intended use: Natural aggregate petrographically homogeneous entirely constituted by white fragments of microcrystalline and saccharoid limestones deriving from marble quarries of Carrara, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
 - ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 10/14 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA50 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 2)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 14 | 90,5 | 5,6 | 0,7 |
| 12,5 | 57,4 | | |
| 10 | 5,8 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

BC6/25

- 1) Unique identification code of the product-type: **BIANCO CARRARA 6**
- 2) Intended use: Natural aggregate petrographically homogeneous entirely constituted by white fragments of microcrystalline and saccharoid limestones deriving from marble quarries of Carrara, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
 - ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 12/20 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA50 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 2)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 20 | 100 | 12,5 | 2,7 |
| 16 | 50,5 | 6,3 | 0,7 |
| 14 | 7,6 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager



Ferrari Granulati srl
Via Catena, 7 - 37023 Grezzana (VR) Italy
0496-CPR-0281
EN 12620:2002 + A1:2008



BOTTICINO

Natural aggregate constituted by rhombohedral crystals of dolomite with the presence of limestone grains deriving from marble quarries of Brescia, for use in concrete

| LEGEND | | SIZE | | | | | | |
|--|-------------------|------------|-------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Commercial denomination | | BO000 | BO1 | BO2 | BO3 | BO4 | BO5 | BO6 |
| Number of declaration of performance | | BO000/25 | BO1/25 | BO2/25 | BO3/25 | BO4/25 | BO5/25 | BO6/25 |
| Aggregate designation | d/D | 0/1 | 0/4 | 2/5 | 4/8 | 5/11 | 10/14 | 12/20 |
| Aggregate designation | category | GF 85 | G _F 85 | G _C 85-20 | G _C 85-20 | G _C 85-20 | G _C 85-20 | G _C 85-20 |
| Particle density | Mg/m ³ | 2,7 | 2,7 | 2,7 | 2,7 | 2,7 | 2,7 | 2,7 |
| Water absorption | % | NPD | < 1% | < 1% | < 1% | < 1% | < 1% | < 1% |
| Fines content | category | f36 | f3 | f1,5 | f1,5 | f1,5 | f1,5 | f1,5 |
| Sand equivalent | declared value | < SE70 | NPD | NPD | NPD | NPD | NPD | NPD |
| Methylene blue value | declared value | MB≤1,0 | NPD | NPD | NPD | NPD | NPD | NPD |
| Resistance to fragmentation/crushing | category | LA25 | | | | | | |
| Chlorides | declared value | C < 0,005% | | | | | | |
| Acid soluble sulfates | category | AS0,2 | | | | | | |
| Total sulfur | declared value | S < 1% | | | | | | |
| Determination of humus content | pass/fail | Fail | | | | | | |
| Presence of lightweight contaminants | declared value | mLPC0,03 | NPD | NPD | NPD | NPD | NPD | NPD |
| Durability against freeze/thaw | category | F1 | | | | | | |
| Durability against alkalisilica reactivity | declared value | RA1 | | | | | | |
| Petrographic analysis | declared value | Dolomite | | | | | | |

| Particle size - Designation d/D | | BO000 | | BO1 | | BO2 | | BO3 | |
|---------------------------------|----------------------------|-------|------|-------|------|-------|------|-----|------|
| Typical grading | sieve (mm) passing cum. | 1 | 100 | 4 | 100 | 5,6 | 100 | 8 | 100 |
| | | 0,5 | 86,4 | 2 | 63,9 | 4 | 76,4 | 5,6 | 42,4 |
| | | 0,25 | 68,2 | 1 | 1,9 | 2 | 2,6 | 4 | 3,2 |
| | | 0,125 | 46,3 | 0,25 | 0,2 | 1 | 0,7 | 2 | 0,2 |
| | | 0,063 | 37,5 | 0,063 | 0,1 | 0,063 | 0,1 | | |

| Particle size - Designation d/D | | BO4 | | BO5 | | BO6 | |
|---------------------------------|----------------------------|------|------|------|------|------|------|
| Typical grading | sieve (mm) passing cum. | 11,2 | 90,6 | 14 | 89,8 | 20 | 100 |
| | | 8 | 18,5 | 12,5 | 12,5 | 16 | 48,4 |
| | | 5,6 | 0,6 | 10 | 10 | 14 | 14,2 |
| | | 2 | 0,1 | 5,6 | 5,6 | 12,5 | 3,4 |
| | | | | | | 6,3 | 0,1 |

Grezzana, 14/04/2025

Ferrari Granulati srl

Quality manager

Alberto Ferrari

DECLARATION OF PERFORMANCE

BO000/25

- 1) Unique identification code of the product-type: **BOTTICINO 000**
- 2) Intended use: Natural aggregate constituted by rhombohedral crystals of dolomite with the presence of limestone grains deriving from marble quarries of Brescia, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 0/1 | EN 12620:2002 + A1:2008 |
| Particle size | Gf 85 | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | NPD | |
| Fines content | f36 | |
| Fines quality and equivalent | < SE70 | |
| Methylene blue value | MB<1,0 | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Dolomite | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 1 | 100 | 0,125 | 46,3 |
| 0,5 | 86,4 | 0,063 | 37,5 |
| 0,25 | 68,2 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

BO1/25

- 1) Unique identification code of the product-type: **BOTTICINO 1**
- 2) Intended use: Natural aggregate constituted by rhombohedral crystals of dolomite with the presence of limestone grains deriving from marble quarries of Brescia, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
 - ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 0/4 | EN 12620:2002 + A1:2008 |
| Particle size | Gf 85 | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f3 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Dolomite | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 4 | 100 | 0,25 | 0,2 |
| 2 | 63,9 | 0,063 | 0,1 |
| 1 | 1,9 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

BO2/25

- 1) Unique identification code of the product-type: **BOTTICINO 2**
- 2) Intended use: Natural aggregate constituted by rhombohedral crystals of dolomite with the presence of limestone grains deriving from marble quarries of Brescia, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 2/5 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Dolomite | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 5,6 | 100 | 1 | 0,7 |
| 4 | 76,4 | 0,063 | 0,1 |
| 2 | 2,6 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

BO3/25

- 1) Unique identification code of the product-type: **BOTTICINO 3**
- 2) Intended use: Natural aggregate constituted by rhombohedral crystals of dolomite with the presence of limestone grains deriving from marble quarries of Brescia, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 4/8 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Dolomite | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 8 | 100 | 2 | 0,2 |
| 5,6 | 42,4 | | |
| 4 | 3,2 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025

Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

BO4/25

- 1) Unique identification code of the product-type: **BOTTICINO 4**
- 2) Intended use: Natural aggregate constituted by rhombohedral crystals of dolomite with the presence of limestone grains deriving from marble quarries of Brescia, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 5/11 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Dolomite | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 11,2 | 90,6 | 2 | 0,1 |
| 8 | 18,5 | | |
| 5,6 | 0,6 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

BO5/25

- 1) Unique identification code of the product-type: **BOTTICINO 5**
- 2) Intended use: Natural aggregate constituted by rhombohedral crystals of dolomite with the presence of limestone grains deriving from marble quarries of Brescia, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 10/14 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Dolomite | |

*Typical grading (basic set + set 2)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 14 | 89,8 | 5,6 | 0,1 |
| 12,5 | 49,8 | | |
| 10 | 3 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

BO6/25

- 1) Unique identification code of the product-type: **BOTTICINO 6**
- 2) Intended use: Natural aggregate constituted by rhombohedral crystals of dolomite with the presence of limestone grains deriving from marble quarries of Brescia, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 12/20 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Dolomite | |

*Typical grading (basic set + set 2)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 20 | 100 | 12,5 | 3,4 |
| 16 | 48,4 | 6,3 | 0,1 |
| 14 | 14,2 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager



Ferrari Granulati srl
Via Catena, 7 - 37023 Grezzana (VR) Italy
0496-CPR-0281
EN 12620:2002 + A1:2008



GIALLO ORO

Natural aggregate entirely constituted by micritic and yellow limestones in appearance saccharoid deriving from marble quarries of Mori, for use in concrete

| LEGEND | | SIZE | | | | | | |
|--|-------------------|------------|-------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Commercial denomination | | GO000 | GO1 | GO2 | GO3 | GO4 | GO5 | GO6 |
| Number of declaration of performance | | GO000/25 | GO1/25 | GO2/25 | GO3/25 | GO4/25 | GO5/25 | GO6/25 |
| Aggregate designation | d/D | 0/1 | 0/4 | 2/5 | 4/8 | 5/11 | 10/14 | 12/20 |
| Aggregate designation | category | GF 85 | G _F 85 | G _C 85-20 | G _C 85-20 | G _C 85-20 | G _C 85-20 | G _C 85-20 |
| Particle density | Mg/m ³ | 2,5 | 2,7 | 2,7 | 2,7 | 2,7 | 2,7 | 2,7 |
| Water absorption | % | NPD | < 1% | < 1% | < 1% | < 1% | < 1% | < 1% |
| Fines content | category | f34 | f3 | f1,5 | f1,5 | f1,5 | f1,5 | f1,5 |
| Sand equivalent | declared value | < SE70 | NPD | NPD | NPD | NPD | NPD | NPD |
| Methylene blue value | declared value | MB≤1,0 | NPD | NPD | NPD | NPD | NPD | NPD |
| Resistance to fragmentation/crushing | category | LA25 | | | | | | |
| Chlorides | declared value | C < 0,005% | | | | | | |
| Acid soluble sulfates | category | AS0,2 | | | | | | |
| Total sulfur | declared value | S < 1% | | | | | | |
| Determination of humus content | pass/fail | Fail | | | | | | |
| Presence of lightweight contaminators | declared value | mLPC0,03 | NPD | NPD | NPD | NPD | NPD | NPD |
| Durability against freeze/thaw | category | F1 | | | | | | |
| Durability against alkalisilica reactivity | declared value | RA1 | | | | | | |
| Petrographic analysis | declared value | Calcareous | | | | | | |

| Particle size - Designation d/D | | GO000 | | GO1 | | GO2 | | GO3 | |
|---------------------------------|----------------------------|-------|------|-------|------|-------|------|-----|------|
| Typical grading | sieve (mm) passing cum. | 1 | 100 | 4 | 100 | 5,6 | 100 | 8 | 100 |
| | | 0,5 | 85,3 | 2 | 57,1 | 4 | 85,5 | 5,6 | 34,6 |
| | | 0,25 | 64,8 | 1 | 2,3 | 2 | 0,9 | 4 | 1,7 |
| | | 0,125 | 44,5 | 0,25 | 0,4 | 1 | 0,2 | 2 | 0,1 |
| | | 0,063 | 34,9 | 0,063 | 0,1 | 0,063 | 0,1 | | |

| Particle size - Designation d/D | | GO4 | | GO5 | | GO6 | |
|---------------------------------|----------------------------|------|------|------|------|------|------|
| Typical grading | sieve (mm) passing cum. | 11,2 | 88 | 14 | 89,5 | 20 | 100 |
| | | 8 | 11,8 | 12,5 | 12,5 | 16 | 65,1 |
| | | 5,6 | 0,1 | 10 | 10 | 14 | 16,5 |
| | | 2 | 0,1 | 5,6 | 5,6 | 12,5 | 5,1 |
| | | | | | | 6,3 | 0,1 |

Grezzana, 14/04/2025

Ferrari Granulati srl

Quality manager

Alberto Ferrari

DECLARATION OF PERFORMANCE

GO000/25

- 1) Unique identification code of the product-type: **GIALLO ORO 000**
- 2) Intended use: Natural aggregate entirely constituted by micritic and yellow limestones in appearance saccharoid deriving from marble quarries of Mori, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
 - ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 0/1 | EN 12620:2002 + A1:2008 |
| Particle size | Gf 85 | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,5 | |
| Water absorption | NPD | |
| Fines content | f34 | |
| Fines quality and equivalent | < SE70 | |
| Methylene blue value | MB<2,5 | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 1 | 100 | 0,125 | 44,5 |
| 0,5 | 85,3 | 0,063 | 34,9 |
| 0,25 | 64,8 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

GO1/25

- 1) Unique identification code of the product-type: **GIALLO ORO 1**
- 2) Intended use: Natural aggregate entirely constituted by micritic and yellow limestones in appearance saccharoid deriving from marble quarries of Mori, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 0/4 | EN 12620:2002 + A1:2008 |
| Particle size | Gf 85 | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f3 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 4 | 100 | 0,25 | 0,4 |
| 2 | 57,1 | 0,063 | 0,1 |
| 1 | 2,3 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025

Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

GO2/25

- 1) Unique identification code of the product-type: **GIALLO ORO 2**
- 2) Intended use: Natural aggregate entirely constituted by micritic and yellow limestones in appearance saccharoid deriving from marble quarries of Mori, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 2/5 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 5,6 | 100 | 1 | 0,2 |
| 4 | 85,5 | 0,063 | 0,1 |
| 2 | 0,9 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

GO3/25

- 1) Unique identification code of the product-type: **GIALLO ORO 3**
- 2) Intended use: Natural aggregate entirely constituted by micritic and yellow limestones in appearance saccharoid deriving from marble quarries of Mori, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
 - ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 4/8 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 8 | 100 | 2 | 0,1 |
| 5,6 | 34,6 | | |
| 4 | 1,7 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

GO4/25

- 1) Unique identification code of the product-type: **GIALLO ORO 4**
- 2) Intended use: Natural aggregate entirely constituted by micritic and yellow limestones in appearance saccharoid deriving from marble quarries of Mori, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 5/11 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 11,2 | 88 | 2 | 0,1 |
| 8 | 11,8 | | |
| 5,6 | 0,1 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

GO5/25

- 1) Unique identification code of the product-type: **GIALLO ORO 5**
- 2) Intended use: Natural aggregate entirely constituted by micritic and yellow limestones in appearance saccharoid deriving from marble quarries of Mori, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 10/14 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 2)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 14 | 89,5 | 5,6 | 0,1 |
| 12,5 | 47 | | |
| 10 | 2,2 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

GO6/25

- 1) Unique identification code of the product-type: **GIALLO ORO 6**
- 2) Intended use: Natural aggregate entirely constituted by micritic and yellow limestones in appearance saccharoid deriving from marble quarries of Mori, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 12/20 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 2)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 20 | 100 | 12,5 | 5,1 |
| 16 | 65,1 | 6,3 | 0,1 |
| 14 | 16,5 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager



Ferrari Granulati srl
Via Catena, 7 - 37023 Grezzana (VR) Italy
0496-CPR-0281
EN 12620:2002 + A1:2008



ROSSO VERONA

Natural aggregate entirely constituted by dark red micritic limestone deriving from marble quarries of Verona, for use in concrete

| LEGEND | | SIZE | | | | | | |
|--|-------------------|------------|-------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Commercial denomination | | RV000 | RV1 | RV2 | RV3 | RV4 | RV5 | RV6 |
| Number of declaration of performance | | RV000/25 | RV1/25 | RV2/25 | RV3/25 | RV4/25 | RV5/25 | RV6/25 |
| Aggregate designation | d/D | 0/1 | 0/4 | 2/5 | 4/8 | 5/11 | 10/14 | 12/20 |
| Aggregate designation | category | GF 85 | G _F 85 | G _C 85-20 | G _C 85-20 | G _C 85-20 | G _C 85-20 | G _C 85-20 |
| Particle density | Mg/m ³ | 2,6 | 2,7 | 2,7 | 2,7 | 2,7 | 2,7 | 2,7 |
| Water absorption | % | NPD | < 1,5% | < 1,5% | < 1,5% | < 1,5% | < 1,5% | < 1,5% |
| Fines content | category | f35 | f3 | f1,5 | f1,5 | f1,5 | f1,5 | f1,5 |
| Sand equivalent | declared value | < SE70 | NPD | NPD | NPD | NPD | NPD | NPD |
| Methylene blue value | declared value | MB≤1,0 | NPD | NPD | NPD | NPD | NPD | NPD |
| Resistance to fragmentation/crushing | category | LA25 | | | | | | |
| Chlorides | declared value | C < 0,005% | | | | | | |
| Acid soluble sulfates | category | AS0,2 | | | | | | |
| Total sulfur | declared value | S < 1% | | | | | | |
| Determination of humus content | pass/fail | Fail | | | | | | |
| Presence of lightweight contaminators | declared value | mLPC0,03 | NPD | NPD | NPD | NPD | NPD | NPD |
| Durability against freeze/thaw | category | F1 | | | | | | |
| Durability against alkalisilica reactivity | declared value | RA1 | | | | | | |
| Petrographic analysis | declared value | Calcareous | | | | | | |

| Particle size - Designation d/D | | RV000 | | RV1 | | RV2 | | RV3 | |
|---------------------------------|----------------------------|-------|------|-------|------|-------|------|-----|------|
| Typical grading | sieve (mm) passing cum. | 1 | 100 | 4 | 100 | 5,6 | 100 | 8 | 100 |
| | | 0,5 | 85,9 | 2 | 68,1 | 4 | 74,3 | 5,6 | 26,1 |
| | | 0,25 | 67,8 | 1 | 3,1 | 2 | 1,2 | 4 | 1,1 |
| | | 0,125 | 44,9 | 0,25 | 0,2 | 1 | 0,3 | 2 | 0,1 |
| | | 0,063 | 32,8 | 0,063 | 0,1 | 0,063 | 0,1 | | |

| Particle size - Designation d/D | | RV4 | | RV5 | | RV6 | |
|---------------------------------|----------------------------|------|------|------|------|------|------|
| Typical grading | sieve (mm) passing cum. | 11,2 | 89,4 | 14 | 89,9 | 20 | 100 |
| | | 8 | 13,8 | 12,5 | 12,5 | 16 | 47 |
| | | 5,6 | 0,2 | 10 | 10 | 14 | 14,9 |
| | | 2 | 0,1 | 5,6 | 5,6 | 12,5 | 3,5 |
| | | | | | | 6,3 | 0,1 |

Grezzana, 14/04/2025

Ferrari Granulati srl

Quality manager

Alberto Ferrari

DECLARATION OF PERFORMANCE

RV000/25

- 1) Unique identification code of the product-type: **ROSSO VERONA 000**
- 2) Intended use: Natural aggregate entirely constituted by dark red micritic limestone deriving from marble quarries of Verona, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
 - ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 0/1 | EN 12620:2002 + A1:2008 |
| Particle size | Gf 85 | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,6 | |
| Water absorption | NPD | |
| Fines content | f35 | |
| Fines quality and equivalent | < SE70 | |
| Methylene blue value | MB<1,5 | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 1 | 100 | 0,125 | 44,9 |
| 0,5 | 85,9 | 0,063 | 32,8 |
| 0,25 | 67,8 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

RV1/25

- 1) Unique identification code of the product-type: **ROSSO VERONA 1**
- 2) Intended use: Natural aggregate entirely constituted by dark red micritic limestone deriving from marble quarries of Verona, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
 - ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 0/4 | EN 12620:2002 + A1:2008 |
| Particle size | Gf 85 | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1,5% | |
| Fines content | f3 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 4 | 100 | 0,25 | 0,2 |
| 2 | 68,1 | 0,063 | 0,1 |
| 1 | 3,1 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

RV2/25

- 1) Unique identification code of the product-type: **ROSSO VERONA 2**
- 2) Intended use: Natural aggregate entirely constituted by dark red micritic limestone deriving from marble quarries of Verona, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 2/5 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1,5% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 5,6 | 100 | 1 | 0,3 |
| 4 | 74,3 | 0,063 | 0,1 |
| 2 | 1,2 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

RV3/25

- 1) Unique identification code of the product-type: **ROSSO VERONA 3**
- 2) Intended use: Natural aggregate entirely constituted by dark red micritic limestone deriving from marble quarries of Verona, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
 - ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 4/8 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1,5% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 8 | 100 | 2 | 0,1 |
| 5,6 | 26,1 | | |
| 4 | 1,1 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

RV4/25

- 1) Unique identification code of the product-type: **ROSSO VERONA 4**
- 2) Intended use: Natural aggregate entirely constituted by dark red micritic limestone deriving from marble quarries of Verona, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 5/11 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1,5% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 11,2 | 89,4 | 2 | 0,1 |
| 8 | 13,8 | | |
| 5,6 | 0,2 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

RV5/25

- 1) Unique identification code of the product-type: **ROSSO VERONA 5**
- 2) Intended use: Natural aggregate entirely constituted by dark red micritic limestone deriving from marble quarries of Verona, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
 - ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 10/14 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1,5% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 2)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 14 | 89,9 | 5,6 | 0,1 |
| 12,5 | 46,6 | | |
| 10 | 2,1 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

RV6/25

- 1) Unique identification code of the product-type: **ROSSO VERONA 6**
- 2) Intended use: Natural aggregate entirely constituted by dark red micritic limestone deriving from marble quarries of Verona, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 12/20 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1,5% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 2)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 20 | 100 | 12,5 | 3,5 |
| 16 | 47 | 6,3 | 0,1 |
| 14 | 14,9 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager



Ferrari Granulati srl
Via Catena, 7 - 37023 Grezzana (VR) Italy
0496-CPR-0281
EN 12620:2002 + A1:2008



VERDE ALPI

Natural aggregate almost entirely constituted by green fragments of serpentine deriving from marble quarries of Aosta, for use in concrete

| LEGEND | | SIZE | | | | | | |
|--|-------------------|------------|-------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Commercial denomination | | VA000 | VA1 | VA2 | VA3 | VA4 | VA5 | VA6 |
| Number of declaration of performance | | VA000/25 | VA1/25 | VA2/25 | VA3/25 | VA4/25 | VA5/25 | VA6/25 |
| Aggregate designation | d/D | 0/1 | 0/4 | 2/5 | 4/8 | 5/11 | 10/14 | 12/20 |
| Aggregate designation | category | GF 85 | G _F 85 | G _C 85-20 | G _C 85-20 | G _C 85-20 | G _C 85-20 | G _C 85-20 |
| Particle density | Mg/m ³ | 2,5 | 2,7 | 2,7 | 2,7 | 2,7 | 2,7 | 2,7 |
| Water absorption | % | NPD | < 1,5% | < 1,5% | < 1,5% | < 1,5% | < 1,5% | < 1,5% |
| Fines content | category | f34 | f3 | f1,5 | f1,5 | f1,5 | f1,5 | f1,5 |
| Sand equivalent | declared value | < SE70 | NPD | NPD | NPD | NPD | NPD | NPD |
| Methylene blue value | declared value | MB≤1,0 | NPD | NPD | NPD | NPD | NPD | NPD |
| Resistance to fragmentation/crushing | category | LA20 | | | | | | |
| Chlorides | declared value | C < 0,005% | | | | | | |
| Acid soluble sulfates | category | AS0,2 | | | | | | |
| Total sulfur | declared value | S < 1% | | | | | | |
| Determination of humus content | pass/fail | Fail | | | | | | |
| Presence of lightweight contaminants | declared value | mLPC0,03 | NPD | NPD | NPD | NPD | NPD | NPD |
| Durability against freeze/thaw | category | F1 | | | | | | |
| Durability against alkalisilica reactivity | declared value | RA1 | | | | | | |
| Petrographic analysis | declared value | Serpentine | | | | | | |

| Particle size - Designation d/D | | VA000 | | VA1 | | VA2 | | VA3 | |
|---------------------------------|----------------------------|-------|------|-------|------|-------|------|-----|------|
| Typical grading | sieve (mm) passing cum. | 1 | 100 | 4 | 100 | 5,6 | 100 | 8 | 100 |
| | | 0,5 | 88,6 | 2 | 56,9 | 4 | 84,9 | 5,6 | 30,4 |
| | | 0,25 | 63,6 | 1 | 2,6 | 2 | 3,2 | 4 | 1,7 |
| | | 0,125 | 46,2 | 0,25 | 0,1 | 1 | 0,2 | 2 | 0,1 |
| | | 0,063 | 35,1 | 0,063 | 0,1 | 0,063 | 0,1 | | |

| Particle size - Designation d/D | | VA4 | | VA5 | | VA6 | | | |
|---------------------------------|----------------------------|------|------|------|------|------|------|--|--|
| Typical grading | sieve (mm) passing cum. | 11,2 | 92,8 | 14 | 91,6 | 20 | 100 | | |
| | | 8 | 23 | 12,5 | 12,5 | 16 | 58,4 | | |
| | | 5,6 | 0,6 | 10 | 10 | 14 | 21 | | |
| | | 2 | 0,1 | 5,6 | 5,6 | 12,5 | 6,1 | | |
| | | | | | | 6,3 | 0,1 | | |

Grezzana, 14/04/2025

Ferrari Granulati srl

Quality manager

Alberto Ferrari

DECLARATION OF PERFORMANCE

VA000/25

- 1) Unique identification code of the product-type: **VERDE ALPI 000**
- 2) Intended use: Natural aggregate almost entirely constituted by green fragments of serpentine deriving from marble quarries of Aosta, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 0/1 | EN 12620:2002 + A1:2008 |
| Particle size | Gf 85 | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,5 | |
| Water absorption | NPD | |
| Fines content | f34 | |
| Fines quality and equivalent | < SE70 | |
| Methylene blue value | MB<1,5 | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA20 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Serpentine | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 1 | 100 | 0,125 | 46,2 |
| 0,5 | 88,6 | 0,063 | 35,1 |
| 0,25 | 63,6 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025

Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

VA1/25

- 1) Unique identification code of the product-type: **VERDE ALPI 1**
- 2) Intended use: Natural aggregate almost entirely constituted by green fragments of serpentine deriving from marble quarries of Aosta, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
 - ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 0/4 | EN 12620:2002 + A1:2008 |
| Particle size | Gf 85 | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1,5% | |
| Fines content | f3 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA20 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Serpentine | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 4 | 100 | 0,25 | 0,1 |
| 2 | 56,9 | 0,063 | 0,1 |
| 1 | 2,6 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

VA2/25

- 1) Unique identification code of the product-type: **VERDE ALPI 2**
- 2) Intended use: Natural aggregate almost entirely constituted by green fragments of serpentine deriving from marble quarries of Aosta, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
 - ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 2/5 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1,5% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA20 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Serpentine | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 5,6 | 100 | 1 | 0,2 |
| 4 | 84,9 | 0,063 | 0,1 |
| 2 | 3,2 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

VA3/25

- 1) Unique identification code of the product-type: **VERDE ALPI 3**
- 2) Intended use: Natural aggregate almost entirely constituted by green fragments of serpentine deriving from marble quarries of Aosta, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
 - ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 4/8 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1,5% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA20 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Serpentine | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 8 | 100 | 2 | 0,1 |
| 5,6 | 30,4 | | |
| 4 | 1,7 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

VA4/25

- 1) Unique identification code of the product-type: **VERDE ALPI 4**
- 2) Intended use: Natural aggregate almost entirely constituted by green fragments of serpentine deriving from marble quarries of Aosta, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
 - ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 5/11 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1,5% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA20 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Serpentine | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 11,2 | 92,8 | 2 | 0,1 |
| 8 | 23 | | |
| 5,6 | 0,6 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

VA5/25

- 1) Unique identification code of the product-type: **VERDE ALPI 5**
- 2) Intended use: Natural aggregate almost entirely constituted by green fragments of serpentine deriving from marble quarries of Aosta, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
 - ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 10/14 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1,5% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA20 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Serpentine | |

*Typical grading (basic set + set 2)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 14 | 91,6 | 5,6 | 0,2 |
| 12,5 | 59,2 | | |
| 10 | 3,8 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

VA6/25

- 1) Unique identification code of the product-type: **VERDE ALPI 6**
- 2) Intended use: Natural aggregate almost entirely constituted by green fragments of serpentine deriving from marble quarries of Aosta, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 2+
- 5) The certification body DNV issued the certificate of conformity of the factory production control 0496-CPR-0281 relying on the following:
- i. initial inspection of the manufacturing plant and of factory production control
 - ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 12/20 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1,5% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA20 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Serpentine | |


*Typical grading (basic set + set 2)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 20 | 100 | 12,5 | 6,1 |
| 16 | 58,4 | 6,3 | 0,1 |
| 14 | 21 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager



Ferrari Granulati srl
Via Catena, 7 - 37023 Grezzana (VR) Italy
EN 12620:2002 + A1:2008



ARABESCATO ROSSO

Natural aggregate petrographically homogeneous entirely constituted by grains of sedimentary rocks such as carbonatic breccias and micritic limestones with a heterogeneous coloration from red to rose, from beige to ocher, from grey to white, and a sub-saccharoid structure, for use in concrete

| LEGEND | | SIZE | | | | | | |
|--|-------------------|------------|-------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Commercial denomination | | | AR1 | AR2 | AR3 | AR4 | AR5 | AR6 |
| Number of declaration of performance | | | AR1/25 | AR2/25 | AR3/25 | AR4/25 | AR5/25 | AR6/25 |
| Aggregate designation | d/D | | 0/4 | 2/5 | 4/8 | 5/11 | 10/14 | 12/20 |
| Aggregate designation | category | | G _F 85 | G _C 85-20 | G _C 85-20 | G _C 85-20 | G _C 85-20 | G _C 85-20 |
| Particle density | Mg/m ³ | | 2,7 | 2,7 | 2,7 | 2,7 | 2,7 | 2,7 |
| Water absorption | % | | < 1% | < 1% | < 1% | < 1% | < 1% | < 1% |
| Fines content | category | | f3 | f1,5 | f1,5 | f1,5 | f1,5 | f1,5 |
| Sand equivalent | declared value | | NPD | NPD | NPD | NPD | NPD | NPD |
| Methylene blue value | declared value | | NPD | NPD | NPD | NPD | NPD | NPD |
| Resistance to fragmentation/crushing | category | LA20 | | | | | | |
| Chlorides | declared value | C < 0,005% | | | | | | |
| Acid soluble sulfates | category | AS0,2 | | | | | | |
| Total sulfur | declared value | S < 1% | | | | | | |
| Determination of humus content | pass/fail | Fail | | | | | | |
| Presence of lightweight contaminators | declared value | | NPD | NPD | NPD | NPD | NPD | NPD |
| Durability against freeze/thaw | category | F1 | | | | | | |
| Durability against alkalisilica reactivity | declared value | RA1 | | | | | | |
| Petrographic analysis | declared value | 0 | | | | | | |

| Particle size - Designation d/D | | AR1 | | AR2 | | AR3 | |
|---------------------------------|--------------|-------|-----|-------|-----|-----|------|
| Typical grading | sieve (mm) | 4 | 100 | 5,6 | 100 | 8 | 100 |
| | passing cum. | 2 | 56 | 4 | 87 | 5,6 | 31,6 |
| | | 1 | 0,2 | 2 | 0,8 | 4 | 1,7 |
| | | 0,25 | 0,2 | 1 | 0,2 | 2 | 0,2 |
| | | 0,063 | 0,2 | 0,063 | 0,2 | | |

| Particle size - Designation d/D | | AR4 | | AR5 | | AR6 | |
|---------------------------------|--------------|------|------|------|------|------|------|
| Typical grading | sieve (mm) | 11,2 | 97,2 | 14 | 96,2 | 20 | 100 |
| | passing cum. | 8 | 25,2 | 12,5 | 12,5 | 16 | 72,3 |
| | | 5,6 | 0,4 | 10 | 10 | 14 | 22,6 |
| | | 2 | 0,1 | 5,6 | 5,6 | 12,5 | 4,1 |
| | | | | | | 6,3 | 0,1 |

Grezzana, 14/04/2025

Ferrari Granulati srl

Quality manager

Alberto Ferrari

DECLARATION OF PERFORMANCE

AR1/25

- 1) Unique identification code of the product-type: **ARABESCATO ROSSO 1**
- 2) Intended use: Natural aggregate petrographically homogeneous entirely constituted by grains of sedimentary rocks such as carbonatic breccias and micritic limestones with a heterogeneous coloration from red to rose, from beige to ocher, from grey to white, and a sub-saccharoid structure, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 0/4 | EN 12620:2002 + A1:2008 |
| Particle size | Gf 85 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f3 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA20 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 4 | 100 | 0,25 | 0,2 |
| 2 | 56 | 0,063 | 0,2 |
| 1 | 0,2 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

AR2/25

- 1) Unique identification code of the product-type: **ARABESCATO ROSSO 2**
- 2) Intended use: Natural aggregate petrographically homogeneous entirely constituted by grains of sedimentary rocks such as carbonatic breccias and micritic limestones with a heterogeneous coloration from red to rose, from beige to ocher, from grey to white, and a sub-saccharoid structure, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHARACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 2/5 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA20 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freeze-thaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkali-silica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |


*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 5,6 | 100 | 1 | 0,2 |
| 4 | 87 | 0,063 | 0,2 |
| 2 | 0,8 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

AR3/25

- 1) Unique identification code of the product-type: **ARABESCATO ROSSO 3**
- 2) Intended use: Natural aggregate petrographically homogeneous entirely constituted by grains of sedimentary rocks such as carbonatic breccias and micritic limestones with a heterogeneous coloration from red to rose, from beige to ocher, from grey to white, and a sub-saccharoid structure, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHARACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 4/8 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA20 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freeze-thaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkali-silica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 8 | 100 | 2 | 0,2 |
| 5,6 | 31,6 | | |
| 4 | 1,7 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

AR4/25

- 1) Unique identification code of the product-type: **ARABESCATO ROSSO 4**
- 2) Intended use: Natural aggregate petrographically homogeneous entirely constituted by grains of sedimentary rocks such as carbonatic breccias and micritic limestones with a heterogeneous coloration from red to rose, from beige to ocher, from grey to white, and a sub-saccharoid structure, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 5/11 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA20 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 11,2 | 97,2 | 2 | 0,1 |
| 8 | 25,2 | | |
| 5,6 | 0,4 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

AR5/25

- 1) Unique identification code of the product-type: **ARABESCATO ROSSO 5**
- 2) Intended use: Natural aggregate petrographically homogeneous entirely constituted by grains of sedimentary rocks such as carbonatic breccias and micritic limestones with a heterogeneous coloration from red to rose, from beige to ocher, from grey to white, and a sub-saccharoid structure, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHARACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 10/14 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA20 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freeze-thaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkali-silica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 2)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 14 | 96,2 | 5,6 | 0,2 |
| 12,5 | 61,9 | | |
| 10 | 3,4 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

AR6/25

- 1) Unique identification code of the product-type: **ARABESCATO ROSSO 6**
- 2) Intended use: Natural aggregate petrographically homogeneous entirely constituted by grains of sedimentary rocks such as carbonatic breccias and micritic limestones with a heterogeneous coloration from red to rose, from beige to ocher, from grey to white, and a sub-saccharoid structure, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHARACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 12/20 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA20 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freeze-thaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkali-silica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 2)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 20 | 100 | 12,5 | 4,1 |
| 16 | 72,3 | 6,3 | 0,1 |
| 14 | 22,6 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager



Ferrari Granulati srl
Via Catena, 7 - 37023 Grezzana (VR) Italy
EN 12620:2002 + A1:2008



BIANCO VERONA

Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as marly limestones with whitish color as a whole with grains of various tones from white, to green-whitish, to yellow-whitish, to pink-whitish, for use in concrete

| LEGEND | | SIZE | | | | | | |
|--|-------------------|------------|-------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Commercial denomination | | | BV1 | BV2 | BV3 | BV4 | BV5 | BV6 |
| Number of declaration of performance | | | BV1/25 | BV2/25 | BV3/25 | BV4/25 | BV5/25 | BV6/25 |
| Aggregate designation | d/D | | 0/4 | 2/5 | 4/8 | 5/11 | 10/14 | 12/20 |
| Aggregate designation | category | | G _F 85 | G _C 85-20 | G _C 85-20 | G _C 85-20 | G _C 85-20 | G _C 85-20 |
| Particle density | Mg/m ³ | | 2,6 | 2,6 | 2,6 | 2,6 | 2,6 | 2,6 |
| Water absorption | % | | < 4% | < 4% | < 4% | < 4% | < 4% | < 4% |
| Fines content | category | | f3 | f1,5 | f1,5 | f1,5 | f1,5 | f1,5 |
| Sand equivalent | declared value | | NPD | NPD | NPD | NPD | NPD | NPD |
| Methylene blue value | declared value | | NPD | NPD | NPD | NPD | NPD | NPD |
| Resistance to fragmentation/crushing | category | LA30 | | | | | | |
| Chlorides | declared value | C < 0,005% | | | | | | |
| Acid soluble sulfates | category | AS0,2 | | | | | | |
| Total sulfur | declared value | S < 1% | | | | | | |
| Determination of humus content | pass/fail | Fail | | | | | | |
| Presence of lightweight contaminators | declared value | | NPD | NPD | NPD | NPD | NPD | NPD |
| Durability against freeze/thaw | category | F1 | | | | | | |
| Durability against alkalisilica reactivity | declared value | RA1 | | | | | | |
| Petrographic analysis | declared value | 0 | | | | | | |

| Particle size - Designation d/D | | | | BV1 | | BV2 | | BV3 | |
|---------------------------------|----------------------------|--|--|-------|------|-------|------|-----|------|
| Typical grading | sieve (mm) passing cum. | | | 4 | 100 | 5,6 | 100 | 8 | 100 |
| | | | | 2 | 45,2 | 4 | 86,7 | 5,6 | 38,6 |
| | | | | 1 | 0,3 | 2 | 1,2 | 4 | 1,9 |
| | | | | 0,25 | 0,2 | 1 | 0,3 | 2 | 0,1 |
| | | | | 0,063 | 0,1 | 0,063 | 0,1 | | |

| Particle size - Designation d/D | | BV4 | | BV5 | | BV6 | |
|---------------------------------|----------------------------|------|------|------|------|------|------|
| Typical grading | sieve (mm) passing cum. | 11,2 | 97,9 | 14 | 91,4 | 20 | 100 |
| | | 8 | 31 | 12,5 | 12,5 | 16 | 79,6 |
| | | 5,6 | 1,4 | 10 | 10 | 14 | 37,9 |
| | | 2 | 0,2 | 5,6 | 5,6 | 12,5 | 11,7 |
| | | | | | | 6,3 | 0,4 |

Grezzana, 14/04/2025

Ferrari Granulati srl

Quality manager

Alberto Ferrari

DECLARATION OF PERFORMANCE

BV1/25

- 1) Unique identification code of the product-type: **BIANCO VERONA 1**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as marly limestones with whitish color as a whole with grains of various tones from white, to green-whitish, to yellow-whitish, to pink-whitish, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 0/4 | EN 12620:2002 + A1:2008 |
| Particle size | Gf 85 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,6 | |
| Water absorption | < 4% | |
| Fines content | f3 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA30 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 4 | 100 | 0,25 | 0,2 |
| 2 | 45,2 | 0,063 | 0,1 |
| 1 | 0,3 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025

Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

BV2/25

- 1) Unique identification code of the product-type: **BIANCO VERONA 2**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as marly limestones with whitish color as a whole with grains of various tones from white, to green-whitish, to yellow-whitish, to pink-whitish, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 2/5 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,6 | |
| Water absorption | < 4% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA30 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 5,6 | 100 | 1 | 0,3 |
| 4 | 86,7 | 0,063 | 0,1 |
| 2 | 1,2 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025

Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

BV3/25

- 1) Unique identification code of the product-type: **BIANCO VERONA 3**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as marly limestones with whitish color as a whole with grains of various tones from white, to green-whitish, to yellow-whitish, to pink-whitish, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 4/8 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,6 | |
| Water absorption | < 4% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA30 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |


*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 8 | 100 | 2 | 0,1 |
| 5,6 | 38,6 | | |
| 4 | 1,9 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

BV4/25

- 1) Unique identification code of the product-type: **BIANCO VERONA 4**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as marly limestones with whitish color as a whole with grains of various tones from white, to green-whitish, to yellow-whitish, to pink-whitish, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 5/11 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,6 | |
| Water absorption | < 4% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA30 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 11,2 | 97,9 | 2 | 0,2 |
| 8 | 31 | | |
| 5,6 | 1,4 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

BV5/25

- 1) Unique identification code of the product-type: **BIANCO VERONA 5**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as marly limestones with whitish color as a whole with grains of various tones from white, to green-whitish, to yellow-whitish, to pink-whitish, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 10/14 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,6 | |
| Water absorption | < 4% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA30 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 2)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 14 | 91,4 | 5,6 | 0,3 |
| 12,5 | 66,1 | | |
| 10 | 13 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

BV6/25

- 1) Unique identification code of the product-type: **BIANCO VERONA 6**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as marly limestones with whitish color as a whole with grains of various tones from white, to green-whitish, to yellow-whitish, to pink-whitish, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 12/20 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,6 | |
| Water absorption | < 4% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA30 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 2)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 20 | 100 | 12,5 | 11,7 |
| 16 | 79,6 | 6,3 | 0,4 |
| 14 | 37,9 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager



Ferrari Granulati srl
Via Catena, 7 - 37023 Grezzana (VR) Italy
EN 12620:2002 + A1:2008



BRECCIA PERNICE

Natural aggregate petrographically homogeneous entirely constituted by grains of sedimentary rocks such as carbonatic breccias and micritic limestones with a coloration from pinkish to reddish, with a sub-saccharoid structure, for use in concrete

| LEGEND | | SIZE | | | | | | |
|--|-------------------|------------|-------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Commercial denomination | | | BP1 | BP2 | BP3 | BP4 | BP5 | BP6 |
| Number of declaration of performance | | | BP1/25 | BP2/25 | BP3/25 | BP4/25 | BP5/25 | BP6/25 |
| Aggregate designation | d/D | | 0/4 | 2/5 | 4/8 | 5/11 | 10/14 | 12/20 |
| Aggregate designation | category | | G _F 85 | G _C 85-20 | G _C 85-20 | G _C 85-20 | G _C 85-20 | G _C 85-20 |
| Particle density | Mg/m ³ | | 2,7 | 2,7 | 2,7 | 2,7 | 2,7 | 2,7 |
| Water absorption | % | | < 1% | < 1% | < 1% | < 1% | < 1% | < 1% |
| Fines content | category | | f3 | f1,5 | f1,5 | f1,5 | f1,5 | f1,5 |
| Sand equivalent | declared value | | NPD | NPD | NPD | NPD | NPD | NPD |
| Methylene blue value | declared value | | NPD | NPD | NPD | NPD | NPD | NPD |
| Resistance to fragmentation/crushing | category | LA25 | | | | | | |
| Chlorides | declared value | C < 0,005% | | | | | | |
| Acid soluble sulfates | category | AS0,2 | | | | | | |
| Total sulfur | declared value | S < 1% | | | | | | |
| Determination of humus content | pass/fail | Fail | | | | | | |
| Presence of lightweight contaminators | declared value | | NPD | NPD | NPD | NPD | NPD | NPD |
| Durability against freeze/thaw | category | F1 | | | | | | |
| Durability against alkalisilica reactivity | declared value | RA1 | | | | | | |
| Petrographic analysis | declared value | 0 | | | | | | |

| Particle size - Designation d/D | | | | BP1 | | BP2 | | BP3 | |
|---------------------------------|----------------------------|--|--|-------|-----|-------|-----|-----|------|
| Typical grading | sieve (mm) passing cum. | | | 4 | 100 | 5,6 | 100 | 8 | 100 |
| | | | | 2 | 56 | 4 | 87 | 5,6 | 31,6 |
| | | | | 1 | 0,2 | 2 | 0,8 | 4 | 1,7 |
| | | | | 0,25 | 0,2 | 1 | 0,2 | 2 | 0,2 |
| | | | | 0.063 | 0.2 | 0.063 | 0.2 | | |

| Particle size - Designation d/D | | BP4 | | BP5 | | BP6 | |
|---------------------------------|----------------------------|------|------|------|------|------|------|
| Typical grading | sieve (mm) passing cum. | 11,2 | 97,2 | 14 | 96,2 | 20 | 100 |
| | | 8 | 25,2 | 12,5 | 12,5 | 16 | 72,3 |
| | | 5,6 | 0,4 | 10 | 10 | 14 | 22,6 |
| | | 2 | 0,1 | 5,6 | 5,6 | 12,5 | 4,1 |
| | | | | | | 6,3 | 0,1 |

Grezzana, 14/04/2025

Ferrari Granulati srl

Quality manager

Alberto Ferrari

DECLARATION OF PERFORMANCE

BP1/25

- 1) Unique identification code of the product-type: **BRECCIA PERNICE 1**
- 2) Intended use: Natural aggregate petrographically homogeneous entirely constituted by grains of sedimentary rocks such as carbonatic breccias and micritic limestones with a coloration from pinkish to reddish, with a sub-saccharoid structure, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHARACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 0/4 | EN 12620:2002 + A1:2008 |
| Particle size | Gf 85 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f3 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 4 | 100 | 0,25 | 0,2 |
| 2 | 56 | 0,063 | 0,2 |
| 1 | 0,2 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

BP2/25

- 1) Unique identification code of the product-type: **BRECCIA PERNICE 2**
- 2) Intended use: Natural aggregate petrographically homogeneous entirely constituted by grains of sedimentary rocks such as carbonatic breccias and micritic limestones with a coloration from pinkish to reddish, with a sub-saccharoid structure, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHARACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 2/5 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 5,6 | 100 | 1 | 0,2 |
| 4 | 87 | 0,063 | 0,2 |
| 2 | 0,8 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

BP3/25

- 1) Unique identification code of the product-type: **BRECCIA PERNICE 3**
- 2) Intended use: Natural aggregate petrographically homogeneous entirely constituted by grains of sedimentary rocks such as carbonatic breccias and micritic limestones with a coloration from pinkish to reddish, with a sub-saccharoid structure, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHARACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 4/8 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 8 | 100 | 2 | 0,2 |
| 5,6 | 31,6 | | |
| 4 | 1,7 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

BP4/25

- 1) Unique identification code of the product-type: **BRECCIA PERNICE 4**
- 2) Intended use: Natural aggregate petrographically homogeneous entirely constituted by grains of sedimentary rocks such as carbonatic breccias and micritic limestones with a coloration from pinkish to reddish, with a sub-saccharoid structure, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHARACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 5/11 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |


*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 11,2 | 97,2 | 2 | 0,1 |
| 8 | 25,2 | | |
| 5,6 | 0,4 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

BP5/25

- 1) Unique identification code of the product-type: **BRECCIA PERNICE 5**
- 2) Intended use: Natural aggregate petrographically homogeneous entirely constituted by grains of sedimentary rocks such as carbonatic breccias and micritic limestones with a coloration from pinkish to reddish, with a sub-saccharoid structure, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHARACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 10/14 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freeze-thaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkali-silica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 2)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 14 | 96,2 | 5,6 | 0,2 |
| 12,5 | 61,9 | | |
| 10 | 3,4 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

BP6/25

- 1) Unique identification code of the product-type: **BRECCIA PERNICE 6**
- 2) Intended use: Natural aggregate petrographically homogeneous entirely constituted by grains of sedimentary rocks such as carbonatic breccias and micritic limestones with a coloration from pinkish to reddish, with a sub-saccharoid structure, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHARACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 12/20 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 2)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 20 | 100 | 12,5 | 4,1 |
| 16 | 72,3 | 6,3 | 0,1 |
| 14 | 22,6 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager



Ferrari Granulati srl
Via Catena, 7 - 37023 Grezzana (VR) Italy
EN 12620:2002 + A1:2008



Extra White

Natural aggregate petrographically homogeneous entirely constituted by crystalline grains of magnesite of white color and saccharoid appearance, for use in concrete

| LEGEND | | SIZE | | | | | | |
|--|-------------------|--------------|-------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Commercial denomination | | EW000 | EW1 | EW2 | EW3 | EW4 | EW5 | EW6 |
| Number of declaration of performance | | EW000/25 | EW1/25 | EW2/25 | EW3/25 | EW4/25 | EW5/25 | EW6/25 |
| Aggregate designation | d/D | 0/1 | 0/4 | 2/5 | 4/8 | 5/11 | 10/14 | 12/20 |
| Aggregate designation | category | GF 85 | G _F 85 | G _C 85-20 | G _C 85-20 | G _C 85-20 | G _C 85-20 | G _C 85-20 |
| Particle density | Mg/m ³ | 2,8 | 2,8 | 2,8 | 2,8 | 2,8 | 2,8 | 2,8 |
| Water absorption | % | NPD | < 1% | < 1% | < 1% | < 1% | < 1% | < 1% |
| Fines content | category | f16 | f3 | f1,5 | f1,5 | f1,5 | f1,5 | f1,5 |
| Sand equivalent | declared value | < SE70 | NPD | NPD | NPD | NPD | NPD | NPD |
| Methylene blue value | declared value | MB≤1,0 | NPD | NPD | NPD | NPD | NPD | NPD |
| Resistance to fragmentation/crushing | category | LA40 | | | | | | |
| Chlorides | declared value | C < 0,005% | | | | | | |
| Acid soluble sulfates | category | AS0,2 | | | | | | |
| Total sulfur | declared value | S < 1% | | | | | | |
| Determination of humus content | pass/fail | Fail | | | | | | |
| Presence of lightweight contaminators | declared value | mLPC0,03 | NPD | NPD | NPD | NPD | NPD | NPD |
| Durability against freeze/thaw | category | F1 | | | | | | |
| Durability against alkalisilica reactivity | declared value | RA1 | | | | | | |
| Petrographic analysis | declared value | Magnesite | | | | | | |

| Particle size - Designation d/D | | EW000 | | EW1 | | EW2 | | EW3 | |
|---------------------------------|----------------------------|-------|------|-------|------|-------|------|-----|------|
| Typical grading | sieve (mm) passing cum. | 1 | 100 | 4 | 100 | 5,6 | 100 | 8 | 100 |
| | | 0,5 | 79,1 | 2 | 66,7 | 4 | 87,9 | 5,6 | 44,2 |
| | | 0,25 | 46,8 | 1 | 5,2 | 2 | 1,2 | 4 | 1,9 |
| | | 0,125 | 27,4 | 0,25 | 0,3 | 1 | 0,3 | 2 | 0,1 |
| | | 0,063 | 15,9 | 0,063 | 0,2 | 0,063 | 0,1 | | |

| Particle size - Designation d/D | | EW4 | | EW5 | | EW6 | | | |
|---------------------------------|----------------------------|------|------|------|------|------|------|--|--|
| Typical grading | sieve (mm) passing cum. | 11,2 | 97,4 | 14 | 90,1 | 20 | 100 | | |
| | | 8 | 30,3 | 12,5 | 12,5 | 16 | 59,3 | | |
| | | 5,6 | 1 | 10 | 10 | 14 | 12,1 | | |
| | | 2 | 0,1 | 5,6 | 5,6 | 12,5 | 1,8 | | |
| | | | | | | 6,3 | 0,1 | | |

Grezzana, 14/04/2025

Ferrari Granulati srl

Quality manager

Alberto Ferrari

DECLARATION OF PERFORMANCE

EW000/25

- 1) Unique identification code of the product-type: **Extra White 000**
- 2) Intended use: Natural aggregate petrographically homogeneous entirely constituted by crystalline grains of magnesite of white color and saccharoid appearance, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHARACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 0/1 | EN 12620:2002 + A1:2008 |
| Particle size | Gf 85 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,8 | |
| Water absorption | NPD | |
| Fines content | f16 | |
| Fines quality and equivalent | < SE70 | |
| Methylene blue value | MB<1,0 | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA40 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Magnesite | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 1 | 100 | 0,125 | 27,4 |
| 0,5 | 79,1 | 0,063 | 15,9 |
| 0,25 | 46,8 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

EW1/25

- 1) Unique identification code of the product-type: **Extra White 1**
- 2) Intended use: Natural aggregate petrographically homogeneous entirely constituted by crystalline grains of magnesite of white color and saccharoid appearance, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHARACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 0/4 | EN 12620:2002 + A1:2008 |
| Particle size | Gf 85 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,8 | |
| Water absorption | < 1% | |
| Fines content | f3 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA40 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Magnesite | |


*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 4 | 100 | 0,25 | 0,3 |
| 2 | 66,7 | 0,063 | 0,2 |
| 1 | 5,2 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

EW2/25

- 1) Unique identification code of the product-type: **Extra White 2**
- 2) Intended use: Natural aggregate petrographically homogeneous entirely constituted by crystalline grains of magnesite of white color and saccharoid appearance, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 2/5 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,8 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA40 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Magnesite | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 5,6 | 100 | 1 | 0,3 |
| 4 | 87,9 | 0,063 | 0,1 |
| 2 | 1,2 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

EW3/25

- 1) Unique identification code of the product-type: **Extra White 3**
- 2) Intended use: Natural aggregate petrographically homogeneous entirely constituted by crystalline grains of magnesite of white color and saccharoid appearance, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHARACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 4/8 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,8 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA40 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freeze-thaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkali-silica reactivity | RA1 | |
| Petrographic analysis | Magnesite | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 8 | 100 | 2 | 0,1 |
| 5,6 | 44,2 | | |
| 4 | 1,9 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

EW4/25

- 1) Unique identification code of the product-type: **Extra White 4**
- 2) Intended use: Natural aggregate petrographically homogeneous entirely constituted by crystalline grains of magnesite of white color and saccharoid appearance, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 5/11 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,8 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA40 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Magnesite | |


*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 11,2 | 97,4 | 2 | 0,1 |
| 8 | 30,3 | | |
| 5,6 | 1 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

EW5/25

- 1) Unique identification code of the product-type: **Extra White 5**
- 2) Intended use: Natural aggregate petrographically homogeneous entirely constituted by crystalline grains of magnesite of white color and saccharoid appearance, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHARACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 10/14 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,8 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA40 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Magnesite | |

*Typical grading (basic set + set 2)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 14 | 90,1 | 5,6 | 0,1 |
| 12,5 | 62,8 | | |
| 10 | 5,3 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

EW6/25

- 1) Unique identification code of the product-type: **Extra White 6**
- 2) Intended use: Natural aggregate petrographically homogeneous entirely constituted by crystalline grains of magnesite of white color and saccharoid appearance, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHARACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 12/20 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,8 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA40 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Magnesite | |

*Typical grading (basic set + set 2)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 20 | 100 | 12,5 | 1,8 |
| 16 | 59,3 | 6,3 | 0,1 |
| 14 | 12,1 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager



Ferrari Granulati srl
Via Catena, 7 - 37023 Grezzana (VR) Italy
EN 12620:2002 + A1:2008



Giallo Siena

Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as limestones with yellowish color as a whole, varying from pale straw-yellow, to straw-yellow and up to white, for use in concrete

| LEGEND | | SIZE | | | | | | |
|--|-------------------|------------|-------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Commercial denomination | | | GS1 | GS2 | GS3 | GS4 | GS5 | GS6 |
| Number of declaration of performance | | | GS1/25 | GS2/25 | GS3/25 | GS4/25 | GS5/25 | GS6/25 |
| Aggregate designation | d/D | | 0/4 | 2/5 | 4/8 | 5/11 | 10/14 | 12/20 |
| Aggregate designation | category | | G _F 85 | G _C 85-20 | G _C 85-20 | G _C 85-20 | G _C 85-20 | G _C 85-20 |
| Particle density | Mg/m ³ | | NPD | NPD | 2,7 | NPD | NPD | NPD |
| Water absorption | % | | NPD | NPD | < 1% | NPD | NPD | NPD |
| Fines content | category | | f3 | f1,5 | f1,5 | f1,5 | f1,5 | f1,5 |
| Sand equivalent | declared value | | NPD | NPD | NPD | NPD | NPD | NPD |
| Methylene blue value | declared value | | NPD | NPD | NPD | NPD | NPD | NPD |
| Resistance to fragmentation/crushing | category | LA40 | | | | | | |
| Chlorides | declared value | C < 0,005% | | | | | | |
| Acid soluble sulfates | category | AS0,2 | | | | | | |
| Total sulfur | declared value | S < 1% | | | | | | |
| Determination of humus content | pass/fail | Fail | | | | | | |
| Presence of lightweight contaminators | declared value | | NPD | NPD | NPD | NPD | NPD | NPD |
| Durability against freeze/thaw | category | F1 | | | | | | |
| Durability against alkalisilica reactivity | declared value | RA1 | | | | | | |
| Petrographic analysis | declared value | 0 | | | | | | |

| Particle size - Designation d/D | | | | GS1 | | GS2 | | GS3 | |
|---------------------------------|----------------------------|--|--|-------|------|-------|------|-----|------|
| Typical grading | sieve (mm) passing cum. | | | 4 | 100 | 5,6 | 100 | 8 | 100 |
| | | | | 2 | 53,1 | 4 | 89,6 | 5,6 | 81,7 |
| | | | | 1 | 1,4 | 2 | 5,3 | 4 | 13,4 |
| | | | | 0,25 | 0,2 | 1 | 0,3 | 2 | 1,4 |
| | | | | 0,063 | 0,1 | 0,063 | 0,2 | | |

| Particle size - Designation d/D | | GS4 | | GS5 | | GS6 | |
|---------------------------------|----------------------------|------|------|------|------|------|------|
| Typical grading | sieve (mm) passing cum. | 11,2 | 99 | 14 | 88,5 | 20 | 100 |
| | | 8 | 55,4 | 12,5 | 12,5 | 16 | 63,3 |
| | | 5,6 | 7,8 | 10 | 10 | 14 | 22,8 |
| | | 2 | 0,7 | 5,6 | 5,6 | 12,5 | 5,5 |
| | | | | | | 6,3 | 0,2 |

Grezzana, 14/04/2025

Ferrari Granulati srl

Quality manager

Alberto Ferrari

DECLARATION OF PERFORMANCE

GS1/25

- 1) Unique identification code of the product-type: **Giallo Siena 1**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as limestones with yellowish color as a whole, varying from pale straw-yellow, to straw-yellow and up to white, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 0/4 | EN 12620:2002 + A1:2008 |
| Particle size | Gf 85 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | NPD | |
| Water absorption | NPD | |
| Fines content | f3 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | NPD | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 4 | 100 | 0,25 | 0,2 |
| 2 | 53,1 | 0,063 | 0,1 |
| 1 | 1,4 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

GS2/25

- 1) Unique identification code of the product-type: **Giallo Siena 2**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as limestones with yellowish color as a whole, varying from pale straw-yellow, to straw-yellow and up to white, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 2/5 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | NPD | |
| Water absorption | NPD | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | NPD | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |


*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 5,6 | 100 | 1 | 0,3 |
| 4 | 89,6 | 0,063 | 0,2 |
| 2 | 5,3 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

GS3/25

- 1) Unique identification code of the product-type: **Giallo Siena 3**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as limestones with yellowish color as a whole, varying from pale straw-yellow, to straw-yellow and up to white, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 4/8 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | NPD | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 8 | 100 | 2 | 1,4 |
| 5,6 | 81,7 | | |
| 4 | 13,4 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

GS4/25

- 1) Unique identification code of the product-type: **Giallo Siena 4**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as limestones with yellowish color as a whole, varying from pale straw-yellow, to straw-yellow and up to white, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 5/11 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | NPD | |
| Water absorption | NPD | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | NPD | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 11,2 | 99 | 2 | 0,7 |
| 8 | 55,4 | | |
| 5,6 | 7,8 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

GS5/25

- 1) Unique identification code of the product-type: **Giallo Siena 5**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as limestones with yellowish color as a whole, varying from pale straw-yellow, to straw-yellow and up to white, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 10/14 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | NPD | |
| Water absorption | NPD | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA40 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 2)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 14 | 88,5 | 5,6 | 0,3 |
| 12,5 | 59,6 | | |
| 10 | 12,1 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

GS6/25

- 1) Unique identification code of the product-type: **Giallo Siena 6**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as limestones with yellowish color as a whole, varying from pale straw-yellow, to straw-yellow and up to white, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 12/20 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | NPD | |
| Water absorption | NPD | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | NPD | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 2)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 20 | 100 | 12,5 | 5,5 |
| 16 | 63,3 | 6,3 | 0,2 |
| 14 | 22,8 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager



Ferrari Granulati srl
Via Catena, 7 - 37023 Grezzana (VR) Italy
EN 12620:2002 + A1:2008



Grigio Carnico

Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as micritic limestones with greyish color as a whole with dark and white thin veins, for use in concrete

| LEGEND | | SIZE | | | | | | |
|--|-------------------|------------|-------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Commercial denomination | | | GC1 | GC2 | GC3 | GC4 | GC5 | GC6 |
| Number of declaration of performance | | | GC1/25 | GC2/25 | GC3/25 | GC4/25 | GC5/25 | GC6/25 |
| Aggregate designation | d/D | | 0/4 | 2/5 | 4/8 | 5/11 | 10/14 | 12/20 |
| Aggregate designation | category | | G _F 85 | G _C 85-20 | G _C 85-20 | G _C 85-20 | G _C 85-20 | G _C 85-20 |
| Particle density | Mg/m ³ | | 2,7 | 2,7 | 2,7 | 2,7 | 2,7 | 2,7 |
| Water absorption | % | | < 1% | < 1% | < 1% | < 1% | < 1% | < 1% |
| Fines content | category | | f3 | f1,5 | f1,5 | f1,5 | f1,5 | f1,5 |
| Sand equivalent | declared value | | NPD | NPD | NPD | NPD | NPD | NPD |
| Methylene blue value | declared value | | NPD | NPD | NPD | NPD | NPD | NPD |
| Resistance to fragmentation/crushing | category | LA30 | | | | | | |
| Chlorides | declared value | C < 0,005% | | | | | | |
| Acid soluble sulfates | category | AS0,2 | | | | | | |
| Total sulfur | declared value | S < 1% | | | | | | |
| Determination of humus content | pass/fail | Fail | | | | | | |
| Presence of lightweight contaminators | declared value | | NPD | NPD | NPD | NPD | NPD | NPD |
| Durability against freeze/thaw | category | F1 | | | | | | |
| Durability against alkalisilica reactivity | declared value | RA1 | | | | | | |
| Petrographic analysis | declared value | 0 | | | | | | |

| Particle size - Designation d/D | | | | GC1 | | GC2 | | GC3 | |
|---------------------------------|----------------------------|--|--|-------|------|-------|------|-----|------|
| Typical grading | sieve (mm) passing cum. | | | 4 | 100 | 5,6 | 100 | 8 | 99,7 |
| | | | | 2 | 58,2 | 4 | 77,6 | 5,6 | 38,8 |
| | | | | 1 | 1,5 | 2 | 1,7 | 4 | 1,7 |
| | | | | 0,25 | 0,9 | 1 | 0,5 | 2 | 0,5 |
| | | | | 0,063 | 0,4 | 0,063 | 0,3 | | |

| Particle size - Designation d/D | | GC4 | | GC5 | | GC6 | |
|---------------------------------|----------------------------|------|------|------|------|------|------|
| Typical grading | sieve (mm) passing cum. | 11,2 | 95,2 | 14 | 97,5 | 20 | 100 |
| | | 8 | 16,3 | 12,5 | 12,5 | 16 | 70,1 |
| | | 5,6 | 0,4 | 10 | 10 | 14 | 21,9 |
| | | 2 | 0,1 | 5,6 | 5,6 | 12,5 | 4,4 |
| | | | | | | 6,3 | 0,3 |

Grezzana, 14/04/2025

Ferrari Granulati srl

Quality manager

Alberto Ferrari

DECLARATION OF PERFORMANCE

GC1/25

- 1) Unique identification code of the product-type: **Grigio Carnico 1**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as micritic limestones with greyish color as a whole with dark and white thin veins, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 0/4 | EN 12620:2002 + A1:2008 |
| Particle size | Gf 85 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f3 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA30 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 4 | 100 | 0,25 | 0,9 |
| 2 | 58,2 | 0,063 | 0,4 |
| 1 | 1,5 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

GC2/25

- 1) Unique identification code of the product-type: **Grigio Carnico 2**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as micritic limestones with greyish color as a whole with dark and white thin veins, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 2/5 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA30 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 5,6 | 100 | 1 | 0,5 |
| 4 | 77,6 | 0,063 | 0,3 |
| 2 | 1,7 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

GC3/25

- 1) Unique identification code of the product-type: **Grigio Carnico 3**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as micritic limestones with greyish color as a whole with dark and white thin veins, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 4/8 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA30 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |


*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 8 | 99,7 | 2 | 0,5 |
| 5,6 | 38,8 | | |
| 4 | 1,7 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

GC4/25

- 1) Unique identification code of the product-type: **Grigio Carnico 4**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as micritic limestones with greyish color as a whole with dark and white thin veins, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 5/11 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA30 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 11,2 | 95,2 | 2 | 0,1 |
| 8 | 16,3 | | |
| 5,6 | 0,4 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

GC5/25

- 1) Unique identification code of the product-type: **Grigio Carnico 5**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as micritic limestones with greyish color as a whole with dark and white thin veins, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 10/14 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA30 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 2)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 14 | 97,5 | 5,6 | 0,2 |
| 12,5 | 64 | | |
| 10 | 4,4 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

GC6/25

- 1) Unique identification code of the product-type: **Grigio Carnico 6**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as micritic limestones with greyish color as a whole with dark and white thin veins, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 12/20 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA30 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |


*Typical grading (basic set + set 2)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 20 | 100 | 12,5 | 4,4 |
| 16 | 70,1 | 6,3 | 0,3 |
| 14 | 21,9 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager



Ferrari Granulati srl
Via Catena, 7 - 37023 Grezzana (VR) Italy
EN 12620:2002 + A1:2008



Grigio Venato

Mixture of natural aggregates consisting of Bianco Carrara, Bardiglio, Nero Ebano, Arabescato Rosso for use in concrete

| LEGEND | | SIZE | | | | | | |
|--|-------------------|------------|-------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Commercial denomination | | | GV1 | GV2 | GV3 | GV4 | GV5 | GV6 |
| Number of declaration of performance | | | GV1/25 | GV2/25 | GV3/25 | GV4/25 | GV5/25 | GV6/25 |
| Aggregate designation | d/D | | 0/4 | 2/5 | 4/8 | 5/11 | 10/14 | 12/20 |
| Aggregate designation | category | | G _F 85 | G _C 85-20 | G _C 85-20 | G _C 85-20 | G _C 85-20 | G _C 85-20 |
| Particle density | Mg/m ³ | | 2,7 | 2,7 | 2,7 | 2,7 | 2,7 | 2,7 |
| Water absorption | % | | < 1% | < 1% | < 1% | < 1% | < 1% | < 1% |
| Fines content | category | | f3 | f1,5 | f1,5 | f1,5 | f1,5 | f1,5 |
| Sand equivalent | declared value | | NPD | NPD | NPD | NPD | NPD | NPD |
| Methylene blue value | declared value | | NPD | NPD | NPD | NPD | NPD | NPD |
| Resistance to fragmentation/crushing | category | LA40 | | | | | | |
| Chlorides | declared value | C < 0,005% | | | | | | |
| Acid soluble sulfates | category | AS0,2 | | | | | | |
| Total sulfur | declared value | S < 1% | | | | | | |
| Determination of humus content | pass/fail | Fail | | | | | | |
| Presence of lightweight contaminators | declared value | | NPD | NPD | NPD | NPD | NPD | NPD |
| Durability against freeze/thaw | category | F1 | | | | | | |
| Durability against alkalisilica reactivity | declared value | RA1 | | | | | | |
| Petrographic analysis | declared value | 0 | | | | | | |

| Particle size - Designation d/D | | | | GV1 | | GV2 | | GV3 | |
|---------------------------------|----------------------------|--|--|-------|-----|-------|-----|-----|------|
| Typical grading | sieve (mm) passing cum. | | | 4 | 100 | 5,6 | 100 | 8 | 100 |
| | | | | 2 | 56 | 4 | 87 | 5,6 | 31,6 |
| | | | | 1 | 0,2 | 2 | 0,8 | 4 | 1,7 |
| | | | | 0,25 | 0,2 | 1 | 0,2 | 2 | 0,2 |
| | | | | 0,063 | 0,2 | 0,063 | 0,2 | | |

| Particle size - Designation d/D | | GV4 | | GV5 | | GV6 | |
|---------------------------------|----------------------------|------|------|------|------|------|------|
| Typical grading | sieve (mm) passing cum. | 11,2 | 97,2 | 14 | 96,2 | 20 | 100 |
| | | 8 | 25,2 | 12,5 | 12,5 | 16 | 72,3 |
| | | 5,6 | 0,4 | 10 | 10 | 14 | 22,6 |
| | | 2 | 0,1 | 5,6 | 5,6 | 12,5 | 4,1 |
| | | | | | | 6,3 | 0,1 |

Grezzana, 14/04/2025

Ferrari Granulati srl

Quality manager

Alberto Ferrari

DECLARATION OF PERFORMANCE

GV1/25

- 1) Unique identification code of the product-type: **Grigio Venato 1**
- 2) Intended use: Mixture of natural aggregates consisting of Bianco Carrara, Bardiglio, Nero Ebano, Arabescato Rosso for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 0/4 | EN 12620:2002 + A1:2008 |
| Particle size | Gf 85 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f3 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA40 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 4 | 100 | 0,25 | 0,2 |
| 2 | 56 | 0,063 | 0,2 |
| 1 | 0,2 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

GV2/25

- 1) Unique identification code of the product-type: **Grigio Venato 2**
- 2) Intended use: Mixture of natural aggregates consisting of Bianco Carrara, Bardiglio, Nero Ebano, Arabescato Rosso for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 2/5 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA40 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 5,6 | 100 | 1 | 0,2 |
| 4 | 87 | 0,063 | 0,2 |
| 2 | 0,8 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

GV3/25

- 1) Unique identification code of the product-type: **Grigio Venato 3**
- 2) Intended use: Mixture of natural aggregates consisting of Bianco Carrara, Bardiglio, Nero Ebano, Arabescato Rosso for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 4/8 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA40 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 8 | 100 | 2 | 0,2 |
| 5,6 | 31,6 | | |
| 4 | 1,7 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

GV4/25

- 1) Unique identification code of the product-type: **Grigio Venato 4**
- 2) Intended use: Mixture of natural aggregates consisting of Bianco Carrara, Bardiglio, Nero Ebano, Arabescato Rosso for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 5/11 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA40 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |


*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 11,2 | 97,2 | 2 | 0,1 |
| 8 | 25,2 | | |
| 5,6 | 0,4 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

GV5/25

- 1) Unique identification code of the product-type: **Grigio Venato 5**
- 2) Intended use: Mixture of natural aggregates consisting of Bianco Carrara, Bardiglio, Nero Ebano, Arabescato Rosso for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 10/14 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA40 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 2)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 14 | 96,2 | 5,6 | 0,2 |
| 12,5 | 61,9 | | |
| 10 | 3,4 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

GV6/25

- 1) Unique identification code of the product-type: **Grigio Venato 6**
- 2) Intended use: Mixture of natural aggregates consisting of Bianco Carrara, Bardiglio, Nero Ebano, Arabescato Rosso for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 12/20 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA40 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 2)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 20 | 100 | 12,5 | 4,1 |
| 16 | 72,3 | 6,3 | 0,1 |
| 14 | 22,6 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager



Ferrari Granulati srl
Via Catena, 7 - 37023 Grezzana (VR) Italy
EN 12620:2002 + A1:2008



Iride

Mixture of natural aggregates consisting of Bianco Carrara, Giallo Siena, Bardiglio for use in concrete

| LEGEND | | SIZE | | | | | | |
|--|-------------------|------------|-------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Commercial denomination | | | IR 1 | IR 2 | IR 3 | IR 4 | IR 5 | IR 6 |
| Number of declaration of performance | | | IR 1/25 | IR 2/25 | IR 3/25 | IR 4/25 | IR 5/25 | IR 6/25 |
| Aggregate designation | d/D | | 0/4 | 2/5 | 4/8 | 5/11 | 10/14 | 12/20 |
| Aggregate designation | category | | G _F 85 | G _C 85-20 | G _C 85-20 | G _C 85-20 | G _C 85-20 | G _C 85-20 |
| Particle density | Mg/m ³ | | 2,7 | 2,7 | 2,7 | 2,7 | 2,7 | 2,7 |
| Water absorption | % | | < 1% | < 1% | < 1% | < 1% | < 1% | < 1% |
| Fines content | category | | f3 | f1,5 | f1,5 | f1,5 | f1,5 | f1,5 |
| Sand equivalent | declared value | | NPD | NPD | NPD | NPD | NPD | NPD |
| Methylene blue value | declared value | | NPD | NPD | NPD | NPD | NPD | NPD |
| Resistance to fragmentation/crushing | category | LA50 | | | | | | |
| Chlorides | declared value | C < 0,005% | | | | | | |
| Acid soluble sulfates | category | AS0,2 | | | | | | |
| Total sulfur | declared value | S < 1% | | | | | | |
| Determination of humus content | pass/fail | Fail | | | | | | |
| Presence of lightweight contaminators | declared value | | NPD | NPD | NPD | NPD | NPD | NPD |
| Durability against freeze/thaw | category | F1 | | | | | | |
| Durability against alkalisilica reactivity | declared value | RA1 | | | | | | |
| Petrographic analysis | declared value | 0 | | | | | | |

| Particle size - Designation d/D | | | | IR 1 | | IR 2 | | IR 3 | |
|---------------------------------|----------------------------|--|--|-------|------|-------|------|------|------|
| Typical grading | sieve (mm) passing cum. | | | 4 | 100 | 5,6 | 100 | 8 | 100 |
| | | | | 2 | 52,6 | 4 | 92,3 | 5,6 | 66,1 |
| | | | | 1 | 2,2 | 2 | 6,1 | 4 | 6,7 |
| | | | | 0,25 | 0,5 | 1 | 0,6 | 2 | 0,2 |
| | | | | 0,063 | 0,1 | 0,063 | 0,1 | | |

| Particle size - Designation d/D | | IR 4 | | IR 5 | | IR 6 | |
|---------------------------------|----------------------------|------|------|------|------|------|------|
| Typical grading | sieve (mm) passing cum. | 11,2 | 98,6 | 14 | 89,5 | 20 | 100 |
| | | 8 | 49,4 | 12,5 | 12,5 | 16 | 58,9 |
| | | 5,6 | 5,3 | 10 | 10 | 14 | 20,4 |
| | | 2 | 0,3 | 5,6 | 5,6 | 12,5 | 4,4 |
| | | | | | | 6,3 | 0,1 |

Grezzana, 14/04/2025

Ferrari Granulati srl

Quality manager

Alberto Ferrari

DECLARATION OF PERFORMANCE

IR 1/25

- 1) Unique identification code of the product-type: **Iride 1**
- 2) Intended use: Mixture of natural aggregates consisting of Bianco Carrara, Giallo Siena, Bardiglio for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 0/4 | EN 12620:2002 + A1:2008 |
| Particle size | Gf 85 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f3 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA50 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 4 | 100 | 0,25 | 0,5 |
| 2 | 52,6 | 0,063 | 0,1 |
| 1 | 2,2 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

IR 2/25

- 1) Unique identification code of the product-type: **Iride 2**
- 2) Intended use: Mixture of natural aggregates consisting of Bianco Carrara, Giallo Siena, Bardiglio for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 2/5 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA50 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 5,6 | 100 | 1 | 0,6 |
| 4 | 92,3 | 0,063 | 0,1 |
| 2 | 6,1 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

IR 3/25

- 1) Unique identification code of the product-type: **Iride 3**
- 2) Intended use: Mixture of natural aggregates consisting of Bianco Carrara, Giallo Siena, Bardiglio for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 4/8 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA50 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 8 | 100 | 2 | 0,2 |
| 5,6 | 66,1 | | |
| 4 | 6,7 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

IR 4/25

- 1) Unique identification code of the product-type: **Iride 4**
- 2) Intended use: Mixture of natural aggregates consisting of Bianco Carrara, Giallo Siena, Bardiglio for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 5/11 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA50 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 11,2 | 98,6 | 2 | 0,3 |
| 8 | 49,4 | | |
| 5,6 | 5,3 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

IR 5/25

- 1) Unique identification code of the product-type: **Iride 5**
- 2) Intended use: Mixture of natural aggregates consisting of Bianco Carrara, Giallo Siena, Bardiglio for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 10/14 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA50 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 2)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 14 | 89,5 | 5,6 | 0,4 |
| 12,5 | 60,6 | | |
| 10 | 13 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

IR 6/25

- 1) Unique identification code of the product-type: **Iride 6**
- 2) Intended use: Mixture of natural aggregates consisting of Bianco Carrara, Giallo Siena, Bardiglio for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 12/20 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA50 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 2)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 20 | 100 | 12,5 | 4,4 |
| 16 | 58,9 | 6,3 | 0,1 |
| 14 | 20,4 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager



Ferrari Granulati srl
Via Catena, 7 - 37023 Grezzana (VR) Italy
EN 12620:2002 + A1:2008



Marron Prugna

Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as micritic limestones with brownish color as a whole, with reddish and dark brown hues, for use in concrete

| LEGEND | | SIZE | | | | | | |
|--|-------------------|------------|-------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Commercial denomination | | | MP1 | MP2 | MP3 | MP4 | MP5 | MP6 |
| Number of declaration of performance | | | MP1/25 | MP2/25 | MP3/25 | MP4/25 | MP5/25 | MP6/25 |
| Aggregate designation | d/D | | 0/4 | 2/5 | 4/8 | 5/11 | 10/14 | 12/20 |
| Aggregate designation | category | | G _F 85 | G _C 85-20 | G _C 85-20 | G _C 85-20 | G _C 85-20 | G _C 85-20 |
| Particle density | Mg/m ³ | | 2,7 | 2,7 | 2,7 | 2,7 | 2,7 | 2,7 |
| Water absorption | % | | < 1% | < 1% | < 1% | < 1% | < 1% | < 1% |
| Fines content | category | | f3 | f1,5 | f1,5 | f1,5 | f1,5 | f1,5 |
| Sand equivalent | declared value | | NPD | NPD | NPD | NPD | NPD | NPD |
| Methylene blue value | declared value | | NPD | NPD | NPD | NPD | NPD | NPD |
| Resistance to fragmentation/crushing | category | LA30 | | | | | | |
| Chlorides | declared value | C < 0,005% | | | | | | |
| Acid soluble sulfates | category | AS0,2 | | | | | | |
| Total sulfur | declared value | S < 1% | | | | | | |
| Determination of humus content | pass/fail | Fail | | | | | | |
| Presence of lightweight contaminants | declared value | | NPD | NPD | NPD | NPD | NPD | NPD |
| Durability against freeze/thaw | category | F1 | | | | | | |
| Durability against alkalisilica reactivity | declared value | RA1 | | | | | | |
| Petrographic analysis | declared value | 0 | | | | | | |

| Particle size - Designation d/D | | | | MP1 | | MP2 | | MP3 | |
|---------------------------------|----------------------------|--|--|-------|------|-------|------|-----|------|
| Typical grading | sieve (mm) passing cum. | | | 4 | 100 | 5,6 | 100 | 8 | 100 |
| | | | | 2 | 62,8 | 4 | 79,8 | 5,6 | 54,7 |
| | | | | 1 | 4,2 | 2 | 1,7 | 4 | 8,9 |
| | | | | 0,25 | 0,1 | 1 | 0,2 | 2 | 0,7 |
| | | | | 0,063 | 0,1 | 0,063 | 0,1 | | |

| Particle size - Designation d/D | | MP4 | | MP5 | | MP6 | |
|---------------------------------|----------------------------|------|------|------|------|------|------|
| Typical grading | sieve (mm) passing cum. | 11,2 | 97,2 | 14 | 89 | 20 | 96,6 |
| | | 8 | 36,9 | 12,5 | 12,5 | 16 | 30,9 |
| | | 5,6 | 3,9 | 10 | 10 | 14 | 7,3 |
| | | 2 | 0,7 | 5,6 | 5,6 | 12,5 | 1,4 |
| | | | | | | 6,3 | 0,1 |

Grezzana, 14/04/2025

Ferrari Granulati srl

Quality manager

Alberto Ferrari

DECLARATION OF PERFORMANCE

MP1/25

- 1) Unique identification code of the product-type: **Marron Prugna 1**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as micritic limestones with brownish color as a whole, with reddish and dark brown hues, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 0/4 | EN 12620:2002 + A1:2008 |
| Particle size | Gf 85 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f3 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA30 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |


*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 4 | 100 | 0,25 | 0,1 |
| 2 | 62,8 | 0,063 | 0,1 |
| 1 | 4,2 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

MP2/25

- 1) Unique identification code of the product-type: **Marron Prugna 2**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as micritic limestones with brownish color as a whole, with reddish and dark brown hues, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 2/5 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA30 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 5,6 | 100 | 1 | 0,2 |
| 4 | 79,8 | 0,063 | 0,1 |
| 2 | 1,7 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

MP3/25

- 1) Unique identification code of the product-type: **Marron Prugna 3**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as micritic limestones with brownish color as a whole, with reddish and dark brown hues, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 4/8 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA30 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 8 | 100 | 2 | 0,7 |
| 5,6 | 54,7 | | |
| 4 | 8,9 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

MP4/25

- 1) Unique identification code of the product-type: **Marron Prugna 4**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as micritic limestones with brownish color as a whole, with reddish and dark brown hues, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 5/11 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA30 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 11,2 | 97,2 | 2 | 0,7 |
| 8 | 36,9 | | |
| 5,6 | 3,9 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

MP5/25

- 1) Unique identification code of the product-type: **Marron Prugna 5**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as micritic limestones with brownish color as a whole, with reddish and dark brown hues, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 10/14 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA30 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 2)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 14 | 89 | 5,6 | 0,7 |
| 12,5 | 67,9 | | |
| 10 | 17,1 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

MP6/25

- 1) Unique identification code of the product-type: **Marron Prugna 6**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as micritic limestones with brownish color as a whole, with reddish and dark brown hues, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 12/20 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA30 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 2)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 20 | 96,6 | 12,5 | 1,4 |
| 16 | 30,9 | 6,3 | 0,1 |
| 14 | 7,3 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager



Ferrari Granulati srl
Via Catena, 7 - 37023 Grezzana (VR) Italy
EN 12620:2002 + A1:2008



Nero Ebano

Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as bituminous micritic limestones of black color, for use in concrete

| LEGEND | | SIZE | | | | | | |
|--|-------------------|------------|-------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Commercial denomination | | NE 000 | NE 1 | NE 2 | NE 3 | NE 4 | NE 5 | NE 6 |
| Number of declaration of performance | | NE 000/25 | NE 1/25 | NE 2/25 | NE 3/25 | NE 4/25 | NE 5/25 | NE 6/25 |
| Aggregate designation | d/D | 0/1 | 0/4 | 2/5 | 4/8 | 5/11 | 10/14 | 12/20 |
| Aggregate designation | category | GF 85 | G _F 85 | G _C 85-20 | G _C 85-20 | G _C 85-20 | G _C 85-20 | G _C 85-20 |
| Particle density | Mg/m ³ | 2,7 | 2,7 | 2,7 | 2,7 | 2,7 | 2,7 | 2,7 |
| Water absorption | % | NPD | < 1% | < 1% | < 1% | < 1% | < 1% | < 1% |
| Fines content | category | f16 | f3 | f1,5 | f1,5 | f1,5 | f1,5 | f1,5 |
| Sand equivalent | declared value | < SE70 | NPD | NPD | NPD | NPD | NPD | NPD |
| Methylene blue value | declared value | MB≤1,0 | NPD | NPD | NPD | NPD | NPD | NPD |
| Resistance to fragmentation/crushing | category | LA25 | | | | | | |
| Chlorides | declared value | C < 0,005% | | | | | | |
| Acid soluble sulfates | category | AS0,2 | | | | | | |
| Total sulfur | declared value | S < 1% | | | | | | |
| Determination of humus content | pass/fail | Fail | | | | | | |
| Presence of lightweight contaminators | declared value | mLPC0,03 | NPD | NPD | NPD | NPD | NPD | NPD |
| Durability against freeze/thaw | category | F1 | | | | | | |
| Durability against alkalisilica reactivity | declared value | RA1 | | | | | | |
| Petrographic analysis | declared value | Calcareous | | | | | | |

| Particle size - Designation d/D | | NE 000 | | NE 1 | | NE 2 | | NE 3 | |
|---------------------------------|----------------------------|--------|------|-------|------|-------|------|------|------|
| Typical grading | sieve (mm) passing cum. | 1 | 100 | 4 | 100 | 5,6 | 100 | 8 | 100 |
| | | 0,5 | 87,3 | 2 | 45,4 | 4 | 82,6 | 5,6 | 70,5 |
| | | 0,25 | 59 | 1 | 1 | 2 | 3,3 | 4 | 8,8 |
| | | 0,125 | 31 | 0,25 | 0,7 | 1 | 1,1 | 2 | 1,1 |
| | | 0,063 | 19,5 | 0,063 | 0,5 | 0,063 | 0,6 | | |

| Particle size - Designation d/D | | NE 4 | | NE 5 | | NE 6 | | | |
|---------------------------------|----------------------------|------|------|------|------|------|------|--|--|
| Typical grading | sieve (mm) passing cum. | 11,2 | 99,8 | 14 | 99,6 | 20 | 100 | | |
| | | 8 | 63,3 | 12,5 | 12,5 | 16 | 78,9 | | |
| | | 5,6 | 4,6 | 10 | 10 | 14 | 34,2 | | |
| | | 2 | 0,5 | 5,6 | 5,6 | 12,5 | 14,8 | | |
| | | | | | | 6,3 | 0,2 | | |

Grezzana, 14/04/2025

Ferrari Granulati srl

Quality manager

Alberto Ferrari

DECLARATION OF PERFORMANCE

NE 000/25

- 1) Unique identification code of the product-type: **Nero Ebano 000**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as bituminous micritic limestones of black color, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 0/1 | EN 12620:2002 + A1:2008 |
| Particle size | Gf 85 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | NPD | |
| Fines content | f16 | |
| Fines quality and equivalent | < SE70 | |
| Methylene blue value | MB<1,0 | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 1 | 100 | 0,125 | 31 |
| 0,5 | 87,3 | 0,063 | 19,5 |
| 0,25 | 59 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

NE 1/25

- 1) Unique identification code of the product-type: **Nero Ebano 1**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as bituminous micritic limestones of black color, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 0/4 | EN 12620:2002 + A1:2008 |
| Particle size | Gf 85 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f3 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |


*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 4 | 100 | 0,25 | 0,7 |
| 2 | 45,4 | 0,063 | 0,5 |
| 1 | 1 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

NE 2/25

- 1) Unique identification code of the product-type: **Nero Ebano 2**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as bituminous micritic limestones of black color, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 2/5 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |


*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 5,6 | 100 | 1 | 1,1 |
| 4 | 82,6 | 0,063 | 0,6 |
| 2 | 3,3 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

NE 3/25

- 1) Unique identification code of the product-type: **Nero Ebano 3**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as bituminous micritic limestones of black color, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 4/8 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 8 | 100 | 2 | 1,1 |
| 5,6 | 70,5 | | |
| 4 | 8,8 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

NE 4/25

- 1) Unique identification code of the product-type: **Nero Ebano 4**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as bituminous micritic limestones of black color, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 5/11 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 11,2 | 99,8 | 2 | 0,5 |
| 8 | 63,3 | | |
| 5,6 | 4,6 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

NE 5/25

- 1) Unique identification code of the product-type: **Nero Ebano 5**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as bituminous micritic limestones of black color, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 10/14 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 2)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 14 | 99,6 | 5,6 | 0,3 |
| 12,5 | 96 | | |
| 10 | 19,2 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

NE 6/25

- 1) Unique identification code of the product-type: **Nero Ebano 6**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as bituminous micritic limestones of black color, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 12/20 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |


*Typical grading (basic set + set 2)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 20 | 100 | 12,5 | 14,8 |
| 16 | 78,9 | 6,3 | 0,2 |
| 14 | 34,2 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager



Ferrari Granulati srl
Via Catena, 7 - 37023 Grezzana (VR) Italy
EN 12620:2002 + A1:2008



Occhialino

Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as micritic limestones with greyish color as a whole with some whitish grains, for use in concrete

| LEGEND | | SIZE | | | | | | |
|--|-------------------|------------|-------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Commercial denomination | | | OC1 | OC2 | OC3 | OC4 | OC5 | OC6 |
| Number of declaration of performance | | | OC1/25 | OC2/25 | OC3/25 | OC4/25 | OC5/25 | OC6/25 |
| Aggregate designation | d/D | | 0/4 | 2/5 | 4/8 | 5/11 | 10/14 | 12/20 |
| Aggregate designation | category | | G _F 85 | G _C 85-20 | G _C 85-20 | G _C 85-20 | G _C 85-20 | G _C 85-20 |
| Particle density | Mg/m ³ | | 2,7 | 2,7 | 2,7 | 2,7 | 2,7 | 2,7 |
| Water absorption | % | | < 1% | < 1% | < 1% | < 1% | < 1% | < 1% |
| Fines content | category | | f3 | f1,5 | f1,5 | f1,5 | f1,5 | f1,5 |
| Sand equivalent | declared value | | NPD | NPD | NPD | NPD | NPD | NPD |
| Methylene blue value | declared value | | NPD | NPD | NPD | NPD | NPD | NPD |
| Resistance to fragmentation/crushing | category | LA25 | | | | | | |
| Chlorides | declared value | C < 0,005% | | | | | | |
| Acid soluble sulfates | category | AS0,2 | | | | | | |
| Total sulfur | declared value | S < 1% | | | | | | |
| Determination of humus content | pass/fail | Fail | | | | | | |
| Presence of lightweight contaminators | declared value | | NPD | NPD | NPD | NPD | NPD | NPD |
| Durability against freeze/thaw | category | F1 | | | | | | |
| Durability against alkalisilica reactivity | declared value | RA1 | | | | | | |
| Petrographic analysis | declared value | 0 | | | | | | |

| Particle size - Designation d/D | | | | OC1 | | OC2 | | OC3 | |
|---------------------------------|----------------------------|--|--|-------|------|-------|------|-----|-----|
| Typical grading | sieve (mm) passing cum. | | | 4 | 100 | 5,6 | 100 | 8 | 100 |
| | | | | 2 | 50,3 | 4 | 82,2 | 5,6 | 44 |
| | | | | 1 | 0,6 | 2 | 1,2 | 4 | 2,2 |
| | | | | 0,25 | 0,3 | 1 | 0,4 | 2 | 0,1 |
| | | | | 0,063 | 0,1 | 0,063 | 0,1 | | |

| Particle size - Designation d/D | | OC4 | | OC5 | | OC6 | |
|---------------------------------|----------------------------|------|------|------|------|------|------|
| Typical grading | sieve (mm) passing cum. | 11,2 | 93,2 | 14 | 89,4 | 20 | 100 |
| | | 8 | 17,9 | 12,5 | 12,5 | 16 | 68,8 |
| | | 5,6 | 0,2 | 10 | 10 | 14 | 24 |
| | | 2 | 0,1 | 5,6 | 5,6 | 12,5 | 4,2 |
| | | | | | | 6,3 | 0,1 |

Grezzana, 14/04/2025

Ferrari Granulati srl

Quality manager

Alberto Ferrari

DECLARATION OF PERFORMANCE

OC1/25

- 1) Unique identification code of the product-type: **Occhialino 1**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as micritic limestones with greyish color as a whole with some whitish grains, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 0/4 | EN 12620:2002 + A1:2008 |
| Particle size | Gf 85 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f3 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 4 | 100 | 0,25 | 0,3 |
| 2 | 50,3 | 0,063 | 0,1 |
| 1 | 0,6 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

OC2/25

- 1) Unique identification code of the product-type: **Occhialino 2**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as micritic limestones with greyish color as a whole with some whitish grains, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 2/5 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |


*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 5,6 | 100 | 1 | 0,4 |
| 4 | 82,2 | 0,063 | 0,1 |
| 2 | 1,2 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

OC3/25

- 1) Unique identification code of the product-type: **Occhialino 3**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as micritic limestones with greyish color as a whole with some whitish grains, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 4/8 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 8 | 100 | 2 | 0,1 |
| 5,6 | 44 | | |
| 4 | 2,2 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

OC4/25

- 1) Unique identification code of the product-type: **Occhialino 4**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as micritic limestones with greyish color as a whole with some whitish grains, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 5/11 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 11,2 | 93,2 | 2 | 0,1 |
| 8 | 17,9 | | |
| 5,6 | 0,2 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

OC5/25

- 1) Unique identification code of the product-type: **Occhialino 5**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as micritic limestones with greyish color as a whole with some whitish grains, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 10/14 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 2)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 14 | 89,4 | 5,6 | 0,1 |
| 12,5 | 42,8 | | |
| 10 | 4,1 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

OC6/25

- 1) Unique identification code of the product-type: **Occhialino 6**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as micritic limestones with greyish color as a whole with some whitish grains, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 12/20 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 2)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 20 | 100 | 12,5 | 4,2 |
| 16 | 68,8 | 6,3 | 0,1 |
| 14 | 24 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager



Ferrari Granulati srl
Via Catena, 7 - 37023 Grezzana (VR) Italy
EN 12620:2002 + A1:2008



Orientale

Mixture of natural aggregates consisting of Bianco Carrara, Giallo Oro, Rosa Corallo, Rosso Verona, Verde Alpi for use in concrete

| LEGEND | | SIZE | | | | | | |
|--|-------------------|------------|-------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Commercial denomination | | | OR1 | OR2 | OR3 | OR4 | OR5 | OR6 |
| Number of declaration of performance | | | OR1/25 | OR2/25 | OR3/25 | OR4/25 | OR5/25 | OR6/25 |
| Aggregate designation | d/D | | 0/4 | 2/5 | 4/8 | 5/11 | 10/14 | 12/20 |
| Aggregate designation | category | | G _F 85 | G _C 85-20 | G _C 85-20 | G _C 85-20 | G _C 85-20 | G _C 85-20 |
| Particle density | Mg/m ³ | | 2,7 | 2,7 | 2,7 | 2,7 | 2,7 | 2,7 |
| Water absorption | % | | < 2% | < 2% | < 2% | < 2% | < 2% | < 2% |
| Fines content | category | | f3 | f1,5 | f1,5 | f1,5 | f1,5 | f1,5 |
| Sand equivalent | declared value | | NPD | NPD | NPD | NPD | NPD | NPD |
| Methylene blue value | declared value | | NPD | NPD | NPD | NPD | NPD | NPD |
| Resistance to fragmentation/crushing | category | LA30 | | | | | | |
| Chlorides | declared value | C < 0,005% | | | | | | |
| Acid soluble sulfates | category | AS0,2 | | | | | | |
| Total sulfur | declared value | S < 1% | | | | | | |
| Determination of humus content | pass/fail | Fail | | | | | | |
| Presence of lightweight contaminators | declared value | | NPD | NPD | NPD | NPD | NPD | NPD |
| Durability against freeze/thaw | category | F1 | | | | | | |
| Durability against alkalisilica reactivity | declared value | RA1 | | | | | | |
| Petrographic analysis | declared value | 0 | | | | | | |

| Particle size - Designation d/D | | | | OR1 | | OR2 | | OR3 | |
|---------------------------------|----------------------------|--|--|-------|------|-------|------|-----|------|
| Typical grading | sieve (mm) passing cum. | | | 4 | 100 | 5,6 | 100 | 8 | 100 |
| | | | | 2 | 65,1 | 4 | 91,9 | 5,6 | 68,5 |
| | | | | 1 | 3,9 | 2 | 2,7 | 4 | 9,8 |
| | | | | 0,25 | 0,2 | 1 | 0,2 | 2 | 0,8 |
| | | | | 0,063 | 0,1 | 0,063 | 0,1 | | |

| Particle size - Designation d/D | | OR4 | | OR5 | | OR6 | |
|---------------------------------|----------------------------|------|------|------|------|------|------|
| Typical grading | sieve (mm) passing cum. | 11,2 | 96,6 | 14 | 94,6 | 20 | 100 |
| | | 8 | 29,2 | 12,5 | 12,5 | 16 | 75,7 |
| | | 5,6 | 1,5 | 10 | 10 | 14 | 32,8 |
| | | 2 | 0,1 | 5,6 | 5,6 | 12,5 | 13,7 |
| | | | | | | 6,3 | 0,1 |

Grezzana, 14/04/2025

Ferrari Granulati srl

Quality manager

Alberto Ferrari

DECLARATION OF PERFORMANCE

OR1/25

- 1) Unique identification code of the product-type: **Orientale 1**
- 2) Intended use: Mixture of natural aggregates consisting of Bianco Carrara, Giallo Oro, Rosa Corallo, Rosso Verona, Verde Alpi for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 0/4 | EN 12620:2002 + A1:2008 |
| Particle size | Gf 85 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 2% | |
| Fines content | f3 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA30 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 4 | 100 | 0,25 | 0,2 |
| 2 | 65,1 | 0,063 | 0,1 |
| 1 | 3,9 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

OR2/25

- 1) Unique identification code of the product-type: **Orientale 2**
- 2) Intended use: Mixture of natural aggregates consisting of Bianco Carrara, Giallo Oro, Rosa Corallo, Rosso Verona, Verde Alpi for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 2/5 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 2% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA30 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 5,6 | 100 | 1 | 0,2 |
| 4 | 91,9 | 0,063 | 0,1 |
| 2 | 2,7 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

OR3/25

- 1) Unique identification code of the product-type: **Orientale 3**
- 2) Intended use: Mixture of natural aggregates consisting of Bianco Carrara, Giallo Oro, Rosa Corallo, Rosso Verona, Verde Alpi for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 4/8 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 2% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA30 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |


*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 8 | 100 | 2 | 0,8 |
| 5,6 | 68,5 | | |
| 4 | 9,8 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

OR4/25

- 1) Unique identification code of the product-type: **Orientale 4**
- 2) Intended use: Mixture of natural aggregates consisting of Bianco Carrara, Giallo Oro, Rosa Corallo, Rosso Verona, Verde Alpi for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 5/11 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 2% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA30 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 11,2 | 96,6 | 2 | 0,1 |
| 8 | 29,2 | | |
| 5,6 | 1,5 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

OR5/25

- 1) Unique identification code of the product-type: **Orientale 5**
- 2) Intended use: Mixture of natural aggregates consisting of Bianco Carrara, Giallo Oro, Rosa Corallo, Rosso Verona, Verde Alpi for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 10/14 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 2% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA30 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 2)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 14 | 94,6 | 5,6 | 0,2 |
| 12,5 | 71,8 | | |
| 10 | 13,8 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

OR6/25

- 1) Unique identification code of the product-type: **Orientale 6**
- 2) Intended use: Mixture of natural aggregates consisting of Bianco Carrara, Giallo Oro, Rosa Corallo, Rosso Verona, Verde Alpi for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 12/20 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 2% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA30 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 2)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 20 | 100 | 12,5 | 13,7 |
| 16 | 75,7 | 6,3 | 0,1 |
| 14 | 32,8 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager



Ferrari Granulati srl
Via Catena, 7 - 37023 Grezzana (VR) Italy
EN 12620:2002 + A1:2008



Rosa Corallo

Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as limestones with pink color as a whole with grains of various tones of pink and whitish color, for use in concrete

| LEGEND | | SIZE | | | | | | |
|--|-------------------|------------|-------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Commercial denomination | | RC | RC1 | RC2 | RC3 | RC4 | RC5 | RC6 |
| Number of declaration of performance | | RC/25 | RC1/25 | RC2/25 | RC3/25 | RC4/25 | RC5/25 | RC6/25 |
| Aggregate designation | d/D | 0,00 | 0/4 | 2/5 | 4/8 | 5/11 | 10/14 | 12/20 |
| Aggregate designation | category | GF 85 | G _F 85 | G _C 85-20 | G _C 85-20 | G _C 85-20 | G _C 85-20 | G _C 85-20 |
| Particle density | Mg/m ³ | 0,0 | 2,6 | 2,6 | 2,6 | 2,6 | 2,6 | 2,6 |
| Water absorption | % | 0,00 | < 4% | < 4% | < 4% | < 4% | < 4% | < 4% |
| Fines content | category | 0,00 | f3 | f1,5 | f1,5 | f1,5 | f1,5 | f1,5 |
| Sand equivalent | declared value | < SE70 | NPD | NPD | NPD | NPD | NPD | NPD |
| Methylene blue value | declared value | MB≤1,0 | NPD | NPD | NPD | NPD | NPD | NPD |
| Resistance to fragmentation/crushing | category | LA30 | | | | | | |
| Chlorides | declared value | C < 0,005% | | | | | | |
| Acid soluble sulfates | category | AS0,2 | | | | | | |
| Total sulfur | declared value | S < 1% | | | | | | |
| Determination of humus content | pass/fail | Fail | | | | | | |
| Presence of lightweight contaminators | declared value | mLPC0,03 | NPD | NPD | NPD | NPD | NPD | NPD |
| Durability against freeze/thaw | category | F1 | | | | | | |
| Durability against alkalisilica reactivity | declared value | RA1 | | | | | | |
| Petrographic analysis | declared value | 0 | | | | | | |

| Particle size - Designation d/D | | RC | | RC1 | | RC2 | | RC3 | |
|---------------------------------|----------------------------|-------|------|-------|------|-------|------|-----|------|
| Typical grading | sieve (mm) passing cum. | 1 | 100 | 4 | 100 | 5,6 | 100 | 8 | 100 |
| | | 0,5 | 76,3 | 2 | 45,2 | 4 | 86,7 | 5,6 | 38,6 |
| | | 0,25 | 53,7 | 1 | 0,3 | 2 | 1,2 | 4 | 1,9 |
| | | 0,125 | 38,4 | 0,25 | 0,2 | 1 | 0,3 | 2 | 0,1 |
| | | 0,063 | 26,6 | 0,063 | 0,1 | 0,063 | 0,1 | | |

| Particle size - Designation d/D | | RC4 | | RC5 | | RC6 | | | |
|---------------------------------|----------------------------|------|------|------|------|------|------|--|--|
| Typical grading | sieve (mm) passing cum. | 11,2 | 97,9 | 14 | 91,4 | 20 | 100 | | |
| | | 8 | 31 | 12,5 | 12,5 | 16 | 79,6 | | |
| | | 5,6 | 1,4 | 10 | 10 | 14 | 37,9 | | |
| | | 2 | 0,2 | 5,6 | 5,6 | 12,5 | 11,7 | | |
| | | | | | | 6,3 | 0,4 | | |

Grezzana, 14/04/2025

Ferrari Granulati srl

Quality manager

Alberto Ferrari

DECLARATION OF PERFORMANCE

RC1/25

- 1) Unique identification code of the product-type: **Rosa Corallo 1**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as limestones with pink color as a whole with grains of various tones of pink and whitish color, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 0/4 | EN 12620:2002 + A1:2008 |
| Particle size | Gf 85 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,6 | |
| Water absorption | < 4% | |
| Fines content | f3 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA30 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |


*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 4 | 100 | 0,25 | 0,2 |
| 2 | 45,2 | 0,063 | 0,1 |
| 1 | 0,3 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

RC2/25

- 1) Unique identification code of the product-type: **Rosa Corallo 2**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as limestones with pink color as a whole with grains of various tones of pink and whitish color, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 2/5 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,6 | |
| Water absorption | < 4% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA30 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 5,6 | 100 | 1 | 0,3 |
| 4 | 86,7 | 0,063 | 0,1 |
| 2 | 1,2 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

RC3/25

- 1) Unique identification code of the product-type: **Rosa Corallo 3**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as limestones with pink color as a whole with grains of various tones of pink and whitish color, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 4/8 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,6 | |
| Water absorption | < 4% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA30 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 8 | 100 | 2 | 0,1 |
| 5,6 | 38,6 | | |
| 4 | 1,9 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

RC4/25

- 1) Unique identification code of the product-type: **Rosa Corallo 4**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as limestones with pink color as a whole with grains of various tones of pink and whitish color, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 5/11 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,6 | |
| Water absorption | < 4% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA30 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |


*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 11,2 | 97,9 | 2 | 0,2 |
| 8 | 31 | | |
| 5,6 | 1,4 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

RC5/25

- 1) Unique identification code of the product-type: **Rosa Corallo 5**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as limestones with pink color as a whole with grains of various tones of pink and whitish color, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 10/14 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,6 | |
| Water absorption | < 4% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA30 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 2)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 14 | 91,4 | 5,6 | 0,3 |
| 12,5 | 66,1 | | |
| 10 | 13 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

RC6/25

- 1) Unique identification code of the product-type: **Rosa Corallo 6**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of sedimentary rocks such as limestones with pink color as a whole with grains of various tones of pink and whitish color, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 12/20 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,6 | |
| Water absorption | < 4% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA30 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Calcareous | |

*Typical grading (basic set + set 2)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 20 | 100 | 12,5 | 11,7 |
| 16 | 79,6 | 6,3 | 0,4 |
| 14 | 37,9 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager



Ferrari Granulati srl
Via Catena, 7 - 37023 Grezzana (VR) Italy
EN 12620:2002 + A1:2008



Rosso Levanto

Natural aggregate petrographically homogeneous consisting solely of metamorphic rocks such as oficalcite and serpentine of dark red and dark green color, for use in concrete

| LEGEND | | SIZE | | | | | | |
|--|-------------------|------------|-------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Commercial denomination | | | RL1 | RL2 | RL3 | RL4 | RL5 | RL6 |
| Number of declaration of performance | | | RL1/25 | RL2/25 | RL3/25 | RL4/25 | RL5/25 | RL6/25 |
| Aggregate designation | d/D | | 0/4 | 2/5 | 4/8 | 5/11 | 10/14 | 12/20 |
| Aggregate designation | category | | G _F 85 | G _C 85-20 | G _C 85-20 | G _C 85-20 | G _C 85-20 | G _C 85-20 |
| Particle density | Mg/m ³ | | 2,7 | 2,7 | 2,7 | 2,7 | 2,7 | 2,7 |
| Water absorption | % | | < 1% | < 1% | < 1% | < 1% | < 1% | < 1% |
| Fines content | category | | f3 | f1,5 | f1,5 | f1,5 | f1,5 | f1,5 |
| Sand equivalent | declared value | | NPD | NPD | NPD | NPD | NPD | NPD |
| Methylene blue value | declared value | | NPD | NPD | NPD | NPD | NPD | NPD |
| Resistance to fragmentation/crushing | category | LA25 | | | | | | |
| Chlorides | declared value | C < 0,005% | | | | | | |
| Acid soluble sulfates | category | AS0,2 | | | | | | |
| Total sulfur | declared value | S < 1% | | | | | | |
| Determination of humus content | pass/fail | Fail | | | | | | |
| Presence of lightweight contaminators | declared value | | NPD | NPD | NPD | NPD | NPD | NPD |
| Durability against freeze/thaw | category | F1 | | | | | | |
| Durability against alkalisilica reactivity | declared value | RA1 | | | | | | |
| Petrographic analysis | declared value | 0 | | | | | | |

| Particle size - Designation d/D | | | | RL1 | | RL2 | | RL3 | |
|---------------------------------|----------------------------|--|--|-------|------|-------|------|-----|------|
| Typical grading | sieve (mm) passing cum. | | | 4 | 100 | 5,6 | 100 | 8 | 100 |
| | | | | 2 | 58,1 | 4 | 85,6 | 5,6 | 54,1 |
| | | | | 1 | 4,2 | 2 | 2,2 | 4 | 1,2 |
| | | | | 0,25 | 0,4 | 1 | 0,6 | 2 | 0,2 |
| | | | | 0,063 | 0,1 | 0,063 | 0,1 | | |

| Particle size - Designation d/D | | RL4 | | RL5 | | RL6 | |
|---------------------------------|----------------------------|------|------|------|------|------|------|
| Typical grading | sieve (mm) passing cum. | 11,2 | 90,5 | 14 | 93,2 | 20 | 100 |
| | | 8 | 13,3 | 12,5 | 12,5 | 16 | 70,2 |
| | | 5,6 | 0,2 | 10 | 10 | 14 | 22,8 |
| | | 2 | 0,1 | 5,6 | 5,6 | 12,5 | 4,1 |
| | | | | | | 6,3 | 0,1 |

Grezzana, 14/04/2025

Ferrari Granulati srl

Quality manager

Alberto Ferrari

DECLARATION OF PERFORMANCE

RL1/25

- 1) Unique identification code of the product-type: **Rosso Levante 1**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of metamorphic rocks such as oficalcite and serpentine of dark red and dark green color, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 0/4 | EN 12620:2002 + A1:2008 |
| Particle size | Gf 85 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f3 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Serpentine | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 4 | 100 | 0,25 | 0,4 |
| 2 | 58,1 | 0,063 | 0,1 |
| 1 | 4,2 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

RL2/25

- 1) Unique identification code of the product-type: **Rosso Levante 2**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of metamorphic rocks such as oficalcite and serpentine of dark red and dark green color, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 2/5 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Serpentine | |


*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 5,6 | 100 | 1 | 0,6 |
| 4 | 85,6 | 0,063 | 0,1 |
| 2 | 2,2 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

RL3/25

- 1) Unique identification code of the product-type: **Rosso Levante 3**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of metamorphic rocks such as oficalcite and serpentine of dark red and dark green color, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 4/8 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Serpentine | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 8 | 100 | 2 | 0,2 |
| 5,6 | 54,1 | | |
| 4 | 1,2 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

RL4/25

- 1) Unique identification code of the product-type: **Rosso Levante 4**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of metamorphic rocks such as oficalcite and serpentine of dark red and dark green color, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 5/11 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Serpentine | |

*Typical grading (basic set + set 1)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 11,2 | 90,5 | 2 | 0,1 |
| 8 | 13,3 | | |
| 5,6 | 0,2 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

RL5/25

- 1) Unique identification code of the product-type: **Rosso Levante 5**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of metamorphic rocks such as oficalcite and serpentine of dark red and dark green color, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 10/14 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Serpentine | |

*Typical grading (basic set + set 2)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 14 | 93,2 | 5,6 | 0,1 |
| 12,5 | 48,3 | | |
| 10 | 3,2 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager

DECLARATION OF PERFORMANCE

RL6/25

- 1) Unique identification code of the product-type: **Rosso Levante 6**
- 2) Intended use: Natural aggregate petrographically homogeneous consisting solely of metamorphic rocks such as oficalcite and serpentine of dark red and dark green color, for use in concrete
- 3) Name and contact address of the manufacturer: **FERRARI GRANULATI srl - Via Catena, 7 - 37023 Grezzana (VR) Italy**
Manufacturing plant: **Via Catena, 7 - 37023 Grezzana (VR) Italy**
- 4) System of assessment and verification of constancy of performance of the construction product: 4
- 5) The manufacturer has determined the essential characteristics of the product on the basis of the following items
- i. initial inspection of the manufacturing plant and of factory production control
- ii. continuous surveillance, assessment and evaluation of the factory production control
- 6) Harmonised standard: **EN 12620:2002 + A1:2008** "Aggregates for concrete"
- 7) Declared performance

| ESSENTIAL CHACACTERISTICS | PERFORMANCE | HARMONISED TECHNICAL SPECIFICATION |
|---|---|------------------------------------|
| Aggregate designation | 12/20 | EN 12620:2002 + A1:2008 |
| Particle size | Gc 85-20 * | |
| Tolerance | NPD | |
| Flakiness index | NPD | |
| Particle shape | NPD | |
| Particle density | 2,7 | |
| Water absorption | < 1% | |
| Fines content | f1,5 | |
| Fines quality and equivalent | NPD | |
| Methylene blue value | NPD | |
| Shell content | NPD | |
| Resistance to fragmentation/crushing | LA25 | |
| Resistance to wear | NPD | |
| Resistance to polishing | NPD | |
| Resistance to abrasion | NPD | |
| Resistance to abrasion from studded tyres | NPD | |
| Chlorides | C < 0,005% | |
| Acid soluble sulfates | AS0,2 | |
| Total sulfur | S < 1% | |
| Carbonate content | NPD | |
| Composition of coarse recycled aggregate | NPD | |
| Water soluble sulfate content of recycled aggregate | NPD | |
| Determination of humus content | fail | |
| Fulvo acids | NPD | |
| Comparative strength test | NPD | |
| Presence of lightweight contaminators | mLPC0,03 | |
| Durability against freezethaw | F1 | |
| Drying shrinkage | NPD | |
| Dicalcium silicate disintegration | NPD | |
| Iron disintegration | NPD | |
| Emission of radioactivity | NPD | |
| Release of heavy metals | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Release of polyaromatic carbons | NPD | |
| Release of other dangerous substances | Satisfies the limits D.M. 05/04/2006 n. 186 | |
| Durability against alkalisilica reactivity | RA1 | |
| Petrographic analysis | Serpentine | |

*Typical grading (basic set + set 2)

| Sieve (mm) | Passing cum. (%) | Sieve (mm) | Passing cum. (%) |
|------------|------------------|------------|------------------|
| 20 | 100 | 12,5 | 4,1 |
| 16 | 70,2 | 6,3 | 0,1 |
| 14 | 22,8 | | |

- 8) Appropriate Technical Documentation and/or Specific Technical Documentation: N.A.
- 9) The website on which a copy of the declaration of performance is made available: N.A.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer
Grezzana, 14/04/2025


Alberto Ferrari
Quality manager