

PRODUCT DATASHEET: ALFA SINSTONE® 0/90

REFERENCES

| SPECIFICATION | DESCRIPTION AND USE |
|------------------------|---|
| EN13242:2002 + A1:2007 | Artificial aggregate of industrial origin 0/90 Aggregates for unbound and hydraulically bound materials for use in civil engineering work and road construction. |

CHEMICAL AND MINERALOGICAL COMPOSITION

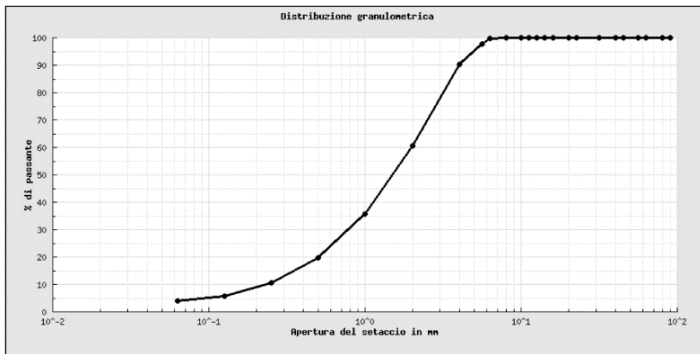
Elements expressed as oxides (% by weight from XRF analysis) and mineralogical phases present (from XRD analysis).

| |
|--|
| Gehlenite [Ca ₂ Al ₂ SiO ₇] |
| Wüstite [FeO] |
| Calcium silicate [Ca ₂ SiO ₄] and calcium magnesium silicate [Ca ₇ Mg (SiO ₄) ₄] |
| Spinel (spinel [MgAl ₂ O ₄] + magnetite [FeFe ₂ O ₄]) |
| Manganese oxide [Mn ₃ O ₄] |

| | SiO ₂ + Al ₂ O ₃ (w/w%) | CaO + MgO (w/w%) | FeO + MnO (w/w%) |
|------|---|---------------------|---------------------|
| Min. | 10 | 24 | 15 |
| Max. | 38 | 55 | 64 |

MECHANICAL AND DIMENSIONAL CHARACTERISTICS (annual average values)

Particle size analysis according to UNI EN 933-1:2012 (% cumulative mass passing through)



| Sieve opening size (mm) | Fraction of mass retained (%) | Cumulative mass passing through (%) |
|-------------------------|-------------------------------|-------------------------------------|
| 80 | 0 | 100 |
| 63 | 11 | 89 |
| 40 | 9 | 80 |
| 20 | 32 | 48 |
| 8 | 31 | 17 |
| 4 | 10 | 7 |
| 0.500 | 6 | 1 |
| 0.250 | 1 | 0 |

Bulk density of particle grains: 3.73 mg/m³

STANDARD PACKAGING

Loose material in open-air piles.

PRODUCT REGISTRATION AND DOCUMENTATION

The black slag, from which ALFA SINSTONE® is obtained, is registered with REACH under no. 01-2119485979-09-0056. ALFA SINSTONE® holds the EPD, the CE marking certificate and the Declaration of Performance.

