PRODUCT DATASHEET: GRIPSTONE® 0/4

REFERENCES

SPECIFICATION	DESCRIPTION AND USE
EN12620:2002 + A1:2008	Artificial aggregate of industrial origin 0/4 Aggregates for concrete.
EN 13043:2002/AC:2004	Artificial aggregate of industrial origin 0/4 Aggregates for bituminous mixtures and surface treatments for roads, airfields and other trafficked areas.
EN13139:2002/AC:2004	Artificial aggregate of industrial origin 0/4 Aggregates for use in mortar.
EN13242:2002 + A1:2007	Artificial aggregate of industrial origin 0/4 Aggregates for unbound and hydraulically bound materials for use in civil engineering work and road construction.

CHEMICAL AND MINERALOGICAL COMPOSITION

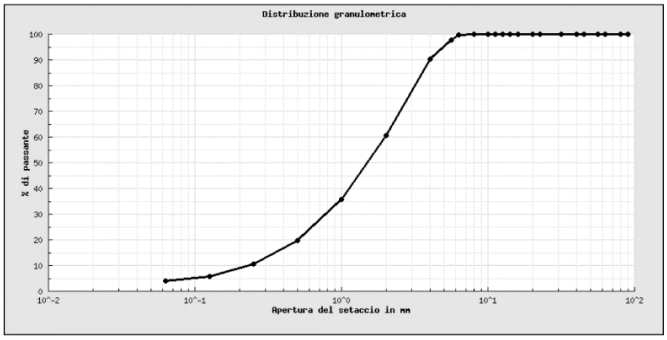
Elements expressed as oxides (% by weight from XRF analysis) and mineralogical phases present (from XRD analysis).

Gehlenite [$Ca_2Al_2SiO_7$]
Wüstite [FeO]
Calcium silicate [Ca_2SiO_4] and calcium magnesium silicate [$Ca_7Mg(SiO_4)_4$]
Spinel (chromite [$FeCr_2O_4$]/ magnetite [$FeFe_2O_4$]
Manganese oxide [Mn_3O_4]

	$SiO_2 + Al_2O_3$ (w/w%)	CaO + MgO (w/w%)	FeOn + 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 (%)
6.3	0	100
5.6	2	98
4	8	90
2	29	61
1	25	36
0.500	16	20
0.250	9	11
0.063	7	4

Bulk density of particle grains: 3.92 mg/m^3

STANDARD PACKAGING

Loose material in open-air piles.

PRODUCT REGISTRATION AND DOCUMENTATION

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