PRODUCT DATASHEET: SICILYSTONE 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

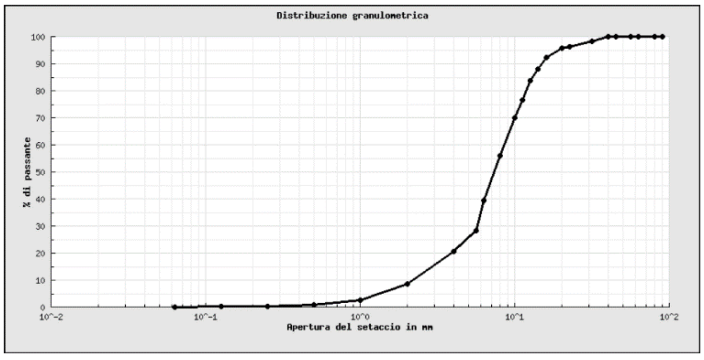
Elements expressed as oxides (% by weight from XRF analysis) and mineralogical phases present (from XRD analysis).

Gehlenite [$Ca_2Al_2SiO_7$]
Wüstite [FeO]
Calcium silicate [Ca_2SiO_4] and calcium magnesium silicate [$Ca_7Mg\ (SiO_4)_4$]
Spinel (spinel [$MgAl_2O_4$] + magnetite [$FeFe_2O_4$]
Manganese oxide [Mn_3O_4]
Srebrodolskite [Ca_2Fe2O5]
Melilite [$(Ca,Na)_2(Mg, Fe, Al, Si)_3O_7$] and Ilmenite ($FeTiO_3$)
Stellerite [$CaAl_2Si_7O_{18}\ 7(H_2O)$]

	$SiO_2 + Al_2O_3$ (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 (%)
90	0	100
63	34	66
40	10	56
20	13	43
10	15	28
4	13	15
0.500	11	4
0.063	2.7	1.3

Bulk density of particle grains: 3.31 mg/m^3

STANDARD PACKAGING

Loose material in open-air piles.

PRODUCT REGISTRATION AND DOCUMENTATION

The black slag, from which SICILYSTONE is obtained, is registered with REACH under no. 01-2119485979-09-0055.
SICILYSTONE holds the CE marking certificate and the Declaration of Performance.