

Garnet Sand GARNET/GARNET SOFT

Garnet is natural sand and belongs to the group of garnet stones. Garnet sands are monocrystalline, unbroken grains with irregular shapes and naturally polished edges.

Applications

- Reusable abrasive
- High-pressure water jet cutting medium
- Cleaning of building exteriors
- Sweeping

Blasting systems

- Pressure blast systems
- Injection blast cabinets

General technical properties

Hardness	ca. 8–11 Mohs
Grain shape	angular
Melting point	approx. 1300°C
Specific gravity	approx. 4,1–4,3 g/cm ³
Bulk density	approx. 1,6–1,7 g/cm ³

Chemical composition

SiO ₂ (not free silica)	55,0%
Fe ₂ O ₃	33,0%
Al ₂ O ₃	12,0%
MgO	1,0%
MnO	1,0%
CaO	1,0%

Grading

20 kg bags or pallets of 10 x 10 m

1 ton (net) in 1 kg bag

Available sizes

GARNET	Average grain size (mm)
W100	0,20 - 1,20
W50	0,20 - 0,50
W30	0,20 - 0,30

GARNET for high-pressure water jet cutting

Wet cut	Average grain size (mm)
80	0,20 - 0,25
120	0,20 - 0,25
160	0,20 - 0,25
200	0,20 - 0,25
240	0,20 - 0,25

GARNET SOFT for cleaning of building exteriors

Wet cut	Average grain size (mm)
	0,2 - 0,3
	0,3 - 0,5
	0,5 - 0,25

Other grain sizes can be produced if required.