



Description Garnet is a naturally occurring mineral, mined and processed exclusively for Eurogrit. It is not toxic and non-hazardous to health and the environment.

Applications Blastcleaning, hydrojet cutting and water filtration.

Properties

Shape of Natural Grains	: sharp and angular
Color	: deep red
Hardness	: 7,5 Mohs
Specific density	: 4,10 kgs/dm ³
Loose bulk density	: 2,34 kgs/dm ³
Melting point	: 1260° C
Conductivity	: 10 - 15 mS/m
Water-soluble chlorides	: less than 0.001% (m/m)

Average Chemical Composition
(Indication only)

SiO ₂	:	31,00 %	in bound form, <0,1% free silica
Al ₂ O ₃	:	21,60 %	
FeO	:	37,00 %	
Fe ₂ O ₃	:	2,00 %	
TiO ₂	:	0,55 %	
MnO	:	0,53 %	
CaO	:	1,84 %	
MgO	:	7,40 %	

Grain sizes	Mesh	MM	Retained %	Mineral Composition (Typical)	
	20	0,841	1 – 3 %	Garnet	99,40%
	25	0,707	5 – 10 %	Ilminite	0,10 %
	30	0,600	10 – 20 %	Quartz	0,20%
	40	0,420	45 – 60 %	Others	0,30 %
	Pan		5 – 15 %		

Other Characteristics

Radioactivity	Not detectable above background
Moisture Absorption	Non-hygroscopic inert
Ferrite (free iron)	< 0.01 %
Lead	< 0.002 %
Copper	< 0.01 %
Other Heavy Metals	< 0.01 %
Sulphur	< 0.01 %

Packing

- 25 kg paper bags in 1 ton bigbags on shrink foiled export pallets.
- Strong woven polypropylene big bags of 1 ton.

Equipment, materials and abrasives used for surface preparation can be hazardous if used carelessly. Many national regulations exist for those materials and abrasives that are considered to be hazardous during or after use (waste management), such as free silica or carcinogenic or toxic substances. Those regulations are therefore to be observed. It is important to ensure that adequate instructions are given and that all required precautions are exercised.

TDS. 2011-Garnet 20-40 (UK) 1/1