

SCANGRIT

TECHNICAL DATA SHEET

Product: Garnet 200-600

Uses As a quality blasting abrasive

Physical Properties:

Specific Gravity (reference water at 20°C)	4.1
Bulk density	2300 kg.m ⁻³
Hardness	7 -8 Mohs
Grain Shape	Sub Angular

Chemical Properties

Typical Chemical Analysis

Silica as	SiO ₂	36%	Aluminium as	Al ₂ O ₃	20 %
Iron as	FeO	30%	Manganese as	MnO	0.45%
Magnesium as	MgO	7.93%			
Calcium as	CaO	8.3%	Free silica		<0.5%

Water soluble chloride content <25ppm

Conductivity of aqueous extract < 25mS/m

Mineralogy

A natural almandine garnet of chemical formula Fe²⁺₃Al₂(SiO₄)₃.

Particle Size

200-600 micron. A maximum of 10% of the product is coarser than 600micron and a maximum of 5% of the product is finer than 200micron.

Industry Standards

Complies with BS EN 11126 Part 10 - Preparation of Steel Substrates before application of paints and related products – Specifications for non-metallic abrasives Part 10 Almandine Garnet.

Packing

25 kg bags palletised and shrink-wrapped.

Further Information.

Specific enquiries relating to the application and use of garnet may be directed to

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