

SCANGRIT

TECHNICAL DATA SHEET

Product: Olivine – All grades

Uses As a blasting abrasive for steel, stainless steel, aluminium, alloys, masonry and stone.

Physical Properties:

Specific Gravity (reference water at 20°C)	3.3
Bulk density	1700-1900 kg.m ⁻³
Hardness	7 -8 Mohs
Grain Shape	Sub Angular

Chemical Properties

Typical Chemical Analysis

Silica as	SiO ₂	41-43%	Aluminium as	Al ₂ O ₃	0.4-0.5 %
Iron as	Fe ₂ O ₃	6-8%	Titanium as	TiO ₂	1%
Magnesium as	MgO	47-50%	Nickel as	NiO*	0.3-0.35%
Calcium as	CaO	0.5-1%	Free silica		<1%

* Nickel can substitute for iron and is present as Liebenbergite ((Mg,Ni)₂SiO₄)

Water soluble chloride content <10ppm
Conductivity of aqueous extract < 15mS/m

Mineralogy

A natural Magnesium/Iron Silicate of chemical formula (Mg,Fe)₂SiO₄. Mineral phases fayalite and forsterite

Grades

Grade	AFS No	Size range (mm)	Surface profile achieved on mild steel ISO 8503-1:1995)
Extra Fine	AFS80	0.090 – 0.250	less than fine
Fine	AFS50	0.125 – 0.500	Fine
Medium	AFS30	0.180 – 1.000	Medium

Industry Standards

Complies with BS EN ISO11126 Part 8 - Preparation of Steel Substrates before application of paints and related products – Specifications for non-metallic abrasives Part 8 Olivine.

Packing

25 kg bags palletised and shrink-wrapped. Bulk bags.

Further Information.

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

Scangrit
Eastfield Road,
South Killingholme,
Immingham, DN40 3NF, UK
Tel. +44 (0)1469 554715 Fax. +44 (0)1469 571644