

# SCANGRIT

## TECHNICAL DATA SHEET

**Product:** Olivine – All grades

**Uses** As a blasting abrasive for steel, stainless steel, aluminium, alloys, masonry and stone. Coarse grade available as a non-slip aggregate.

**Physical Properties:**

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

**Chemical Properties**

Typical Chemical Analysis

Silica as	SiO <sub>2</sub>	41-43%	Aluminium as	Al <sub>2</sub> O <sub>3</sub>	0.4-0.5 %
Iron as	Fe <sub>2</sub> O <sub>3</sub>	6-8%	Titanium as	TiO <sub>2</sub>	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)<sub>2</sub>SiO<sub>4</sub>)

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

**Mineralogy**

A natural Magnesium/Iron Silicate of chemical formula (Mg,Fe)<sub>2</sub>SiO<sub>4</sub>. Mineral phases fayalite and forsterite

**Grades**

Grade	AFS No	Size range (mm)	Surface profile achieved on mild steel <i>ISO 8503-1:1995</i>
Extra Fine	AFS80	0.090 – 0.250	less than fine
Fine	AFS50	0.125 – 0.500	Fine
Medium	AFS30	0.180 – 1.000	Medium
Coarse	AFS20	0.355 – 2.360	Not recommended

**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

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