



# INDO BLAST

**COPPER SLAG GRIT**

*Indoblast copper slag grit is a by-product produced during smelting of copper, which is then processed into abrasive products. Typically it is composed of ferrosilicate and oxides formed when the molten slag is quenched in cold water.*

*This cooling process fractures the slag into coarse, angular particles making it an ideal choice in many applications.*

*Indoblast is a low cost expendable abrasive suited for open blast cleaning and due to its low silica content it does not pose the health hazards created by silica sand. It's sharp, hard particles can provide a fast cleaning action and an excellent surface profile.*

### CHEMICAL ANALYSIS

Constituent	% Weight
Silica SiO <sub>2</sub> [combined as silicate]	: 26-30%
Free Silica	: <0.5%
Alumina, Al <sub>2</sub> O <sub>3</sub>	: 1 - 3%
Iron Oxide as FeO	: 42-48%
Calcium Oxide, CaO	: 1-2%
Magnesium Oxide, MgO	: 0.8 - 1.5%
Copper Oxide, CuO	: 0.60 - 0.70%
Sulphates	: 0.02 - 0.3%
Chlorides	: 0.001 - 0.002%

### PHYSICAL PROPERTIES

Property	Typical Value
Colour	: Black, glassy
Grain Shape	: Angular, multifaced
Hardness	: 7 Moh
Specific Gravity at 25oC	: 3.5
Bulk Density at 25oC	: 1.87 tonnes/m <sup>3</sup>
pH	: 7.0
Conductivity at 25oC	: 2 mS/m
Weight raise on Ignition	: 4%
Moisture Content	: <0.1%



Grade	Size Range (mm)	Cleanliness Level	Surface Profile Average, Microns	Application
Coarse	0.2 - 2.4	Sa 2 1/2 / SP 10	100	The ultimate size for the tough heavy duty blast jobs, thick rust and coatings removal.
Medium	0.5 - 1.4	Sa 3 / SP 5	75	An all purpose size for medium to heavy rust or coatings removal
Fine	0.2 - 1.0	Sa 3 / SP 5	40	Cleaning new material, removal of light coatings

## Features and Advantages

### **T**OUGH

Indoblast has a high resistance to shatter as compared with some other expendable abrasives. This ensures less breakdown of particles thereby enhancing cutting power and minimising the dust nuisance.

### **H**ARD

Between 6 and 7 on the Mohs scale, Indoblast bites into rust, millscale and the toughest coatings.

### **S**HARP

The many faceted angular grains give Indoblast a large number of cutting edges for rapid removal of old coatings, rust and millscale.

### **D**ENSE

With a high specific gravity Indoblast generates immense energy at the work surface giving fast cleaning rates.



**Packing :** Indoblast is packed in 50 kg PP bags, two tonnes polypropylene jumbo bags or as per requirement.

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