BLASTRITE
SURFACE PREPARATION INNOVATION

TECHNICAL PRODUCT INFORMATION

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PLATINUM GRIT BLASTING ABRASIVE

TRADE NAME

BLASTRITE® Platinum Grit

DESCRIPTION

Blastrite® Platinum Grit is a specially selected and graded slag abrasive with sharp angular particles. Generically referred to as a synthetic magnesium iron silicate. It is black in colour and particularly resistant to fracturing on impact.

FUNCTION

Blastrite® Platinum Grit is used where expendable abrasives are required for onsite abrasive blasting in shipyards, steel construction, oil refineries, power stations, offshore oil rigs and any blasting yard designed for diverse and flexible applications. The product is specially graded to optimise production whilst achieving designated surface preparation standards according to industry norms.

TYPICAL CHEMICAL ANALYSIS

SiO_2	<0.15%	(crystalline silica)
SiO_2	40 - 50%	(amorphous form)
Fe_2O_3	15 - 35%	
MgO	15 - 25%	
Al_2O_3	5 - 10%	
CaO	5 - 10%	
Cr_2O_3	1 - 2%	

TECHNICAL DATA

Hardness	6 - 7 Moh scale	(Rockwell Hardness: 68HRC)
Specific gravity	3	(ASTM C128-15)
Average bulk density	≈ 1,8 kg/l	(ASTM D7481-09)
Crystalline silica	< 0.15%	(NIOSH 7602)
Conductivity	<250 µS/cm	(ASTM D4940-98-15e1)
% Chlorides	<1%	(ASTM D512-04)
pH (1% Solution)	6.13	(ASTM E70-07(15))
Moisture content	<0.05%	(ASTM C566-13)
Oil content	None	(ASTM D7393-16)
Asbestos content	None	
Storage	Dry, sheltered storage conditions	
Packaging	1.5 tonne Bulk bags or unitised 50kg or 25kg bags	

SIEVING RANGE & PROFILE

CODE	SIZE RANGE (mm)	PROFILE RANGE (micron)	PERFORMANCE CHARACTERISTICS
B125	0.4 – 2.5	*145 - 195	The grain shape and high bulk density result in a fast cutting and stripping abrasive.
B90	0.25 – 2	*100 - 140	
B60	0.2 – 1.2	*82 - 110	Most economical media used for general blasting in the industry.
B40	0.12 – 1.0	*58 -76	Wide range of profiles achievable.

#-LC is available on special request. This product code (i.e. B90-LC) specifies a specifically prepared low conductivity grade with conductivity <150µS/cm.

**** Blast profiles were achieved at 6 & 7 bar nozzle pressure,at a 400mm stand-off distance and at 70° -80° angle to the substrate.***