BLASTRITE
SURFACE PREPARATION INNOVATION

TECHNICAL PRODUCT INFORMATION

Telephone: +27 (0) 8600 BLAST
Email: sales@blastrite.com
www.blastrite.com

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 - 5%	

TECHNICAL DATA

Hardness	6 - 7 Moh scale	(Rockwell Hardness: 68HRC)
Specific gravity	3	(ASTM C128-15)
Loose bulk density	≈ 1,842 kg/m³	(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)
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	0.5 – 2.5	*110 - 140	The grain shape and high bulk density result in a fast cutting and stripping abrasive. Most economical media used for general blasting in the Industry. Wide range of profiles achievable.
B90	0.2 – 1.4	*80 - 110	
B60	0.1 - 1	*65 -85	
B40	0.1 - 0.85	*40-70	

**** Blast profiles were achieved at 6.5 bar nozzle pressure, at a 300mm stand-off distance and at 90° angle to the substrate.***