

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.

It is supplied not only as a SSPC-AB1 certified Type II abrasive but also in special grades B100 and B125. These aggressive grades are screened from the same stockpile as that of the SSPC grades. It is best suited for conditions where excessive blast hose lengths can cause pressure drops in the system reducing the required blast profile.

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 ₂ O ₃	15 - 35%	
MgO	15 - 25%	
Al ₂ O ₃	5 - 10%	
CaO	5 - 10%	
Cr ₂ O ₃	1 - 5%	

TECHNICAL DATA

Hardness	6 - 7 Moh scale	(Rockwell Hardness: 68HRC)
Specific gravity	3	(ASTM C128-15)
Average bulk density	≈ 1,84 g/cm ³	(ASTM D7481-09)
Crystalline silica	< 0.15%	(NIOSH 7602)
Conductivity	<150 µS/cm	(ASTM D4940-98-15e1)
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	



PRODUCT CODE	MEAN PRODUCT SIZE RANGE (mm)	AVE PROFILE RANGE (micron)	SSPC PROFILE GRADES (micron)
B125	0.4 – 2.5	*125 - 195	> Grade 5
B100	0.2 – 2.0	*100 - 140	Grade 5
B90-SSPC	0.2 – 1.2	123	Grades 4 & 5
B60-SSPC	0.1 – 1.0	78	Grades 3 & 4
B40-SSPC	0.1 - 0.6	58	Grades 2 & 3

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