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TITAN (BLENDED HEAVY MINERAL ABRASIVE)

TRADE NAME

MICROBLAST® TITAN

DESCRIPTION

Microblast® Titan is a natural mineral abrasive, greyish black in colour, predominantly Ilmenite (from the Hemo Ilmenite family) consisting of sub-angular particles mined from an alluvial resource.

FUNCTION

Titan is used as a Microblast® alternative for water jet cutting of non-ferrous materials such as Granite, Marble and Ceramics, and as a blasting media.

TYPICAL CHEMICAL ANALYSIS (full analysis on application)

Ilmenite (FeTiO ₃)	>95%
Almandine Garnet Fe ₃ Al ₂ (SiO ₄) ₃	<5%

TECHNICAL DATA

Hardness	>6 - 6.5 Moh scale
Specific weight	Approx. 4.3 g/cm ³
Bulk weight	Approx. 3 kg / L
Free Silica	< 1 %
Free Metals	< 1 %
Chlorides	< 30 ppm
Conductivity	< 250µS/cm (Test method ISO 11127)
Storage	Dry, sheltered storage conditions.
Packaging	2T bulk bags or unitized 25kg bags

SIEVING RANGE

GRADE	PROFILE RANGE	SIZE RANGE (microns)	PERFORMANCE CHARACTERISTICS
WATER JET CUTTING GRADE			The grain shape and high bulk density result in a fast cutting and stripping abrasive. Blast cleaning using Titan produces significantly lower dust emissions than other mineral slag blast abrasives – resulting in minimal disruption and danger to adjoining operations, improved operator visibility, and lower clean-up costs.
W80		150 – 425	
BLASTING GRADE			
30/60	50 - 75	250 – 600	

