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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)

SiO <sub>2</sub>	4%
Al <sub>2</sub> O <sub>3</sub>	1%
FeO	44%
Fe <sub>2</sub> O <sub>3</sub>	26%
TiO <sub>2</sub>	25%

### TECHNICAL DATA

Hardness	>6 -6.5 Moh scale
Specific weight	Approx. 4.3 g/cm <sup>3</sup>
Bulk weight	Approx. 3 kg / L
Free Silica	< 1 %
Free Metals	< 1 %
Chlorides	< 30 ppm
Conductivity	< 50mS/m 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 cleanup costs.
W80		150 – 425	
BLASTING GRADE			
30/60	50 - 75	250 – 600	

