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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 (FeTiO₃) >95%
 Almandine Garnet Fe₃Al₂(SiO₄)₃ <5%

TECHNICAL DATA

Hardness >6 - 6.5 Moh scale
 Specific gravity Approx. 4.752 kg/m³
 Loose bulk density Approx. 2.735 kg/m³
 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 | |

