

## TECHNICAL DATA SHEET

### ZIRCOTECH 200M

**APPEARANCE** Off white odourless powder

#### PRODUCT PROFILE

A zirconium silicate flour (nominally 200's mesh) manufactured from previously controlled calcined sand.

#### APPLICATIONS

This product combines the benefits of controlled calcination and particle size, together with admirable chemical purity and refractory properties, which is ideally suited to investment castings. Zircosil 200M is fully compatible with both silica sol and ethyl silicate based binder systems producing slurries with good flow properties, whilst the resultant ceramic mouldings manufactured from this product, impart excellent surface finishes to castings.

#### TYPICAL CHEMICAL PROPERTIES

**Composition -** 32.5% SiO<sub>2</sub>  
66.5% ZrO<sub>2</sub> + HfO<sub>2</sub>  
0.50% Al<sub>2</sub>O<sub>3</sub> 0.06%  
Fe<sub>2</sub>O<sub>3</sub>  
0.12% TiO<sub>2</sub>

#### TYPICAL PHYSICAL PROPERTIES

**Specific Gravity -** 4.60 g/cm<sup>3</sup>

**Bulk Density -** 1.6 g/cm<sup>-3</sup>