



## Milled Zircon 325 Mesh

## Data Sheet

### DESCRIPTION

Ultrox 325 is a zircon flour produced by milling zircon sand to a closely controlled particle size. Ultrox 325 is also commonly known as – 325 mesh zircon flour for frit manufacture.

### TYPICAL CHEMICAL PROPERTIES

Composition -		Ultrox 325
Zirconium Silicate	ZrSiO <sub>4</sub>	99.00%
Zirconia + Hafnia	ZrO <sub>2</sub> + HfO <sub>2</sub>	66.00%
Silica	SiO <sub>2</sub>	33.00%
Alumina	Al <sub>2</sub> O <sub>3</sub>	0.60%
Titania	TiO <sub>2</sub>	0.12%
Ferric Oxide	Fe <sub>2</sub> O <sub>3</sub>	0.06%

### TYPICAL PHYSICAL PROPERTIES

Specific Gravity		4.6
Bulk Density	g.cm <sup>-3</sup>	1.6
Wt.% retained on 200 mesh	+75µm	0.1
Wt.% retained on 325 mesh	+45µm	0.6
Average Particle Diameter	Malvern d50(µm)	8.0

# Ultrax 325

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## APPLICATIONS

Ultrax 325 is used in the glass, ceramic glaze, refractory and plastics industries.

Small additions of Ultrax 325 improve the mechanical strength of glass and impart alkali resistance to the glass fibres used in glass reinforced concrete.

Ultrax 325 is used as an opacifier for glaze frits and as a refractory wash for glost kilns.

It can be used as a fine constituent in pressed zircon refractory shapes and as a filler for epoxy resins. Further details of applications are available from Trebol Florida LLC.

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## MSDS

A material safety data sheet is available.

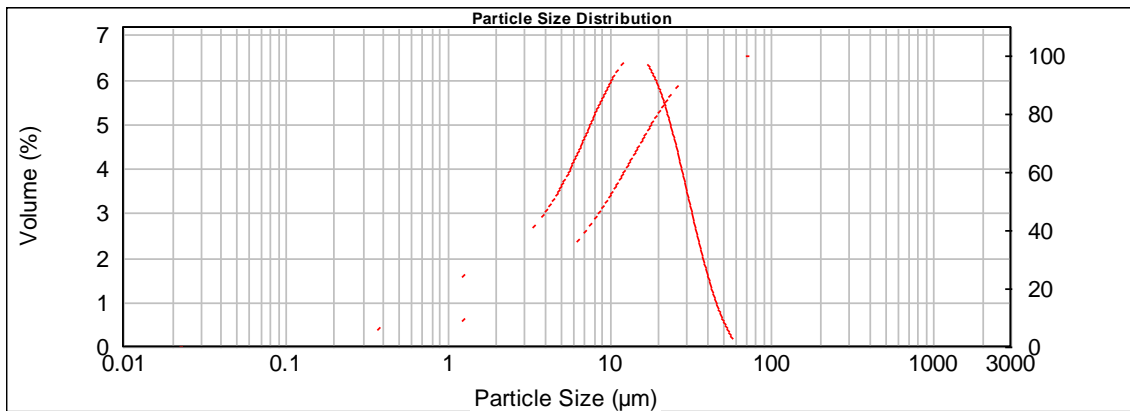
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## PACKAGES

The standard packages are a multiwalled 50 lb. paper bags or a 4000 lb. super sack.

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## PARTICLE SIZE DISTRIBUTION



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