



TREBOL

Ultrox® Z+

Data Sheet

DESCRIPTION

Ultrox® Z+ is a finely milled zirconium silicate produced to a closely controlled particle size; nominally minus 5 microns.

The use of a dry milling technique results in an aggregate free product which is easily dispersed in ceramic glazes for sanitaryware.

TYPICAL CHEMICAL PROPERTIES

Composition -		Ultrox Z+
Zirconium Silicate	ZrSiO ₄	98.0%
Zirconia + Hafnia	ZrO ₂ + HfO ₂	66.0%
Silica	SiO ₂	32.0%
Alumina	Al ₂ O ₃	0.5%
Titania	TiO ₂	0.1%
Ferric Oxide	Fe ₂ O ₃	0.02%

TYPICAL PHYSICAL PROPERTIES

Specific Gravity		4.5
Bulk Density	g.cm ⁻³	0.8
Average Particle Diameter	Malvern d50 (µm)	1.8

Ultrax® Z+

APPLICATIONS

Ultrax® Z+ is used in: ceramic glazes, optical glass, heat resistant porcelain and zircon refractories. In glazes for earthenware, tiles and sanitaryware it results in high opacity, craze resistance and color stability.

The potential benefits of Ultrax® Z+ to the customer are a purer, whiter product free of agglomerates. The good dispersability of Ultrax® Z+ shows up particularly when glazes are mixed by high speed stirrers, rather than the more traditional ball mills.

Trebol's manufacturing techniques allow us to balance particle size against chemical purity to give constant opacity.

Further details of applications are available from Trebol Florida LLC.

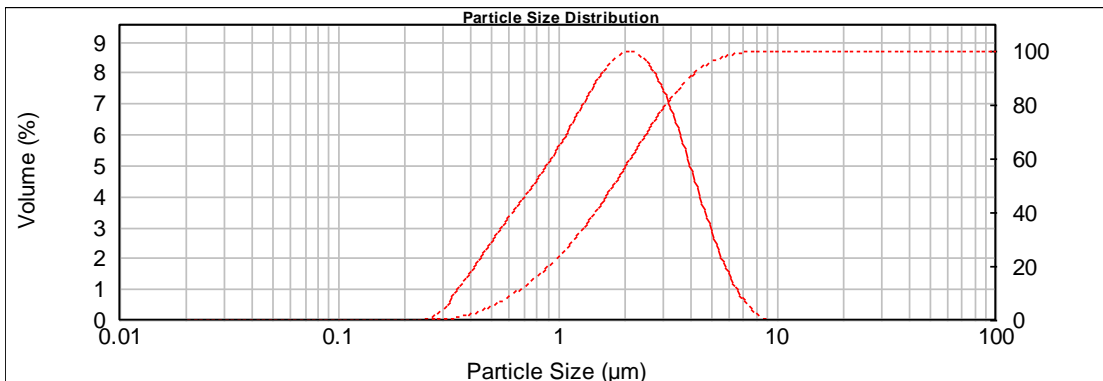
SDS

A safety data sheet is available.

PACKAGES

The standard packages are a multiwalled 50 Lb paper bag, 25 kg paper bag or a 2000 bulk bag.

PARTICLE SIZE DISTRIBUTION



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