

Kenal Silica Fume

Technical Data Sheet

Kenal Micro Silica G-92

Description:

Kenal Silica Fume is a dry silica fume powder certified to ASTM C 1240 'Standard Specification for Silica Fume Used in Cementitious Mixtures'. In use, Kenal Silica Fume improves the performance of concrete and mortar formulations. It acts physically to optimise particle packing of the concrete or mortar mixture and chemically as a highly reactive pozzolan.

Application

Suitable for all concrete and mortar applications where the benefits of silica fume are required:

- Higher compressive strength
- Increased durability - Longer service life
- Better rheology - Control segregation & bleed

Batch the product into the concrete mixer and mix thoroughly ensuring full dispersion. Dosage varies depending on application. Contact Kenal for information & advice.

Typical Properties*

Property	Unit	Value
SiO ²	%	Minimum 92.0
H ² O	%	Maximum 3.0
Retained on 45µm sieve	%	Maximum 10.0
Loss on ignition	%	Maximum 6.0
Specific surface area	M ² /g	Min. 15.0
Pozzolanic activity index	%	Minimum 109

Recommended Dosage

The recommended dosage rate of Kenal Micro Silica for general concreting operations is between 4 % - 10 % of the weight of cement. Overdose may increase water demand to be balanced with Kenal series of high water reducing admixtures. It should be considered that the required dosage of Kenal® Micro Silica to achieve a target performance will be different for each concrete mixture. The appropriate dosage should be determined on trial batches. Please contact Kenal R&D department for technical support.

Storage & Handling

Kenal Silica Fume should be stored in dry conditions and not exposed to moisture.

Chemical & Physical Properties

The properties of Kenal Silica Fume are regularly tested in accordance with ASTM C 1240.

Packing

The product is available in 1000 kg jumbo bags, various other size bags and bulk road tanker. Please contact our representative for more details.

Technical Support

Kenal Chemical offers full technical support package to specifiers, contractors and end users, as well as technical assistance on site and after sales consultations.

Ensure the container is available for the medical attendant to examine for any relevant instructions and content details. Reseal all containers after use and ensure product is stored as instructed on the safety section of the labelling.

A Perfect Chemistry...A Durable Concrete

Khairani-4 Chitwan, Nepal, Phone: +977 9851352240, Email: info@kenalchemical.com, www.kenalchemical.com