

PRODUCT DATA SHEET

SikaFume[®]-25 Slurry

LIQUID SILICA FUME

DESCRIPTION

SikaFume[®]-25 Slurry is a liquid concrete additive based on Sika[®] Silica fume technology. It is a highly reactive pozzolanic material suitable for high quality concrete.

USES

SikaFume[®]-25 Slurry contains latently reactive silicon dioxide. The presence of this additive significantly improves the internal cohesion and water retention properties of fresh concrete. During the hydration process the silica fume forms a chemical bond with the free lime – Ca(OH)₂. The additional crystal formation significantly improves the strength and density of the cement matrix.

SikaFume[®]-25 Slurry is mainly used for the following applications:

- A wide range of application where high ultimate strength and durability is requested.

- Chemical works, effluent treatment plants and agricultural applications
- Marine construction
- Foundry floors and hot material storage areas
- Docksides, loading bays and scrap yards

CHARACTERISTICS / ADVANTAGES

SikaFume[®]-25 Slurry allows for the production of high strength, durable concrete when use in combination with a Sika HWR/Superplasticiser.

- Liquid dispensing eliminating manual handling
- High density, high strength and reduced permeability
- Superior cohesion pumping properties
- Reduced permeability and absorption
- High resistance to abrasion
- Increased freeze-thaw resistance
- Reduces mixing time and wear and mixing equipment.

PRODUCT INFORMATION

Packaging	1 000 litre IBC (returnable)
Appearance / Colour	Dark grey to light black Slurry
Shelf life	12 months from date of production if stored in undamaged and unopened, original sealed packaging
Storage conditions	Store in cool and dry conditions at temperatures between +10 °C and +35 °C. Protect from direct sunlight and frost.

TECHNICAL INFORMATION

Concreting Guidance	The standard rules of good concreting practice, concerning production and placing are to be followed. Laboratory trials shall be carried out before concreting on site, especially when using a new mix design or producing new concrete components. Fresh concrete must be cured properly and curing applied as early as possible.
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APPLICATION INFORMATION

Recommended Dosage	20 – 60 L/m ³
Compatibility	SikaFume®-25 Slurry may be combined with many other Sika products. Important: Always conduct trials before combining products in specific mixes and contact our Technical Services Department for information and advice about any specific combinations.

APPLICATION INSTRUCTIONS

DISPENSING

SikaFume®-25 Slurry is added to the gauging water or added with it into the concrete mixer.

A wet mixing time, which is depending on the mixing conditions and mixer performance, of at least 60 seconds is recommended.

When added on site the truck mixer shall rotate its drum at maximum revolutions for at least 1 minute per m³ concrete and a minimum of 5 minutes to achieve a uniform mix.

IMPORTANT CONSIDERATIONS

When using this product a suitable mix design has to be taken into account and local material sourced shall be trialled.

SikaFume®-25 Slurry shall not be added to dry cement. Support from our Technical Service Department is recommended.

Frost: If frozen and / or if precipitation has occurred, SikaFume®-25 Slurry may be used after thawing slowly at room temperature followed by intensive remixing. Prior to use, It is recommended to remix SikaFume®-25 Slurry after it is stored more than 7 days.

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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