

Sika®-Fume

Additive for Durable and High Ultimate Strength Concrete

Construction

Product Description	Sika-Fume is a new generation concrete additive in loosely agglomerated particles form based on silica fume technology. It is a highly effective additive for the production of high performance concrete.
Uses	Sika-Fume is used to increase the durability and strength of concrete, improve abrasion resistance as well as reduce the permeability of concrete.
Characteristics / Advantages	<p>Sika-Fume is used to increase the durability and strength of concrete in the following ways:</p> <ul style="list-style-type: none"> ■ Produces high ultimate strength concretes thereby allowing the dimension reduction of structural members. ■ Improves hardened properties of concrete such as density, impermeability, resistance to abrasion and attack by aggressive environments. ■ Enhances cohesiveness and reduces bleeding of fresh concrete. ■ Reduces rebound and increases build-up in shotcreting operations. ■ Improves pumpability and flow of concrete, reducing wear on pump equipment, concrete mixers, shotcrete equipment, moulds, etc. ■ Increase corrosion and electrical resistance of concrete. ■ Reduces effect of alkali aggregate reaction and the likelihood of efflorescence.

Product Data

Form	Agglomerated particles
Colour	Grey
Packaging	<p>10kg/bag</p> <ul style="list-style-type: none"> ■ Sika-Fume may have some fine powder associated with agglomerated particles. ■ Wearing of dust mask may therefore be advisable when pouring the product into the mixer.

Storage

Storage Conditions / Shelf Life	When stored in unopened sealed bags, the product's effectivity will last for at least one (1) year.
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Technical Data

Mechanical / Physical Properties



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 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 proprietary rights of third parties must be observed. All orders are accepted subject to our current terms and conditions of sale. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.

