

**Technical Data Sheet**  
Edition 2, 2005  
Identification no.  
02 01 01 05 000 0 000019  
Version no. 0010  
**SikaFume®**

# SikaFume®

## Densified Silica Fume

<b>Description</b>	SikaFume is a new generation concrete additive in a fine powder form based on Silica fume technology. SikaFume is used as a high effective additive for the production of high quality concrete. Complies with ASTM C 1240-00
<b>Use</b>	SikaFume is used to increase the density, durability and compressive strength of concrete.
<b>Advantages</b>	<p>The use of SikaFume improves the performance characteristics of concrete in the following ways :</p> <ul style="list-style-type: none"> <li>■ Increased workability over a longer period of time.</li> <li>■ Improved cohesiveness and stability of green concrete</li> <li>■ Durability greatly increased.</li> <li>■ Water permeability of concrete greatly reduced</li> <li>■ Permeability to gases greatly decreased</li> <li>■ Greatly improved resistance to carbonation</li> <li>■ Infiltration of chlorides greatly reduced</li> <li>■ Very high early and ultimate strengths</li> </ul> <p>SikaFume contains no chlorides or other potentially corrosive substances. It can therefore be used with complete safety in reinforced and prestressed concrete</p>
<b>Dosage</b>	3% - 10% by weight of cement SikaFume is compatible with most of Sika admixtures. Please consult our Technical Service Division for further information.
<b>Instruction for Use</b>	<p>SikaFume should be dry-mixed with other concrete components before the mixing water is added. After the water is added, further mixing is required to allow the even distribution of ingredients throughout the mixed concrete.</p> <p>For increased effectiveness, it is advisable to incorporate a super plasticizer such as Sikament-range into the concrete mix.</p> <p>It advisable to carry out trial mixes to establish exact dosage rate required.</p>

### Technical Data

<b>Form</b>	Powder
<b>Colour</b>	Greyish
<b>Bulk Density</b>	Approx. 0.60 kg/ ltr
<b>Shelf life</b>	Minimum 3 years if stored properly in its original bag in dry place
<b>Storage</b>	Dry, shaded place
<b>Packaging</b>	20 kg bag



Table of Contents

## Handling Precautions:

SikaFume is powder product.  
Wearing a mask is advisable when pouring the product into the mixer.

- Avoid contact with skin and eyes
- Wear protective gloves, mask and eye protection during work
- If skin contact occurs, wash skin thoroughly.
- If in eyes, hold eyes open, flood with warm water and seek medical attention without delay.

## 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 product 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.



**PT. Sika Indonesia**  
Jl. Raya Cibinong- Bekasi km. 20  
Limusnunggal- Cileungsi  
BOGOR 16820 - Indonesia  
Tel. +62 21 8230025  
Fax +62 21 8230026  
Website : [www.sika.co.id](http://www.sika.co.id)  
e-mail: [sikacare@id.sika.com](mailto:sikacare@id.sika.com)

**Branches**  
Surabaya :  
Puri Niaga Blok G No. 29, Jl. Raya Rungkut Menanggal 11, Surabaya  
Tel : 031-8690202 ; Fax : 031-8682123  
Medan :  
Jl. Pancing / Jl. Willem Iskandar No.75 & 75 A, Kec. Medan Tembung  
Tel : 061- 6619500; Fax : (061) 6619400  
Batam :  
Jl. Laksamana Bintan, Komp. Bumi Riau Makmur Blok E No.3, Sungai Panas  
Tel : (0778) 424928; Fax : (0778) 450189

