BUILDING TRUST

PRODUCT DATA SHEET

SikaFiber®-200

Bio-based fibers for concrete, screeds and mortars

PRODUCT DESCRIPTION

SikaFiber®-200 is a micronized cellulosic fiber for use in concrete, screeds and mortars to help distribute cracks caused by drying and plastic shrinkage, and thus reduce the risk of early cracking. This natural fiber is an alternative for light crack control reinforcement.

USES

For most types of non-structural concrete and cementitious mortars to improve resistance to drying and plastic shrinkage cracking:

- Slab, floors
- Fluid screeds, traditional screeds
- Road elements (roadways, sidewalks, car parks, etc...)
- Aesthetic concretes (coloured concretes, stamped concretes, washed concrete...)
- Mortars

CHARACTERISTICS / ADVANTAGES

SikaFiber®-200 are extremely fine fibers that disperse very easily in the fresh concrete during mixing and create a very dense fiber network, to help distribute stresses in the curing concrete that cause larger cracks due to drying and plastic shrinkage.
Important Note: Fibers can replace traditional wire mesh used to control plastic shrinkage, but shall not be used for structural use.

ENVIRONMENTAL INFORMATION

The fibers are made of a pure cellulose obtained by wood processing. SikaFiber®-200 as a 100% natural material is not harmful to the environment.

PRODUCT INFORMATION

Chemical Base	Cellulose
Packaging	300g bags 60 bags per box 12 boxes per palets
Shelf Life	24 months from date of production
Storage Conditions	The product must be stored in original, unopened and undamaged packaging in dry conditions
Appearance / Colour	White micronised fibers
Dimensions	Average length : 200 µm, average diameter : 20 µm A 300g bags contains a number of fibers > 3 billion

Density	1,5 kg/m³
Water Absorption	SikaFiber®-200 will absorb water (around 2L/300g bags) which shall be corrected if needed with admixtures to ascertain the required workability. NOTE: Do not pre-soak the fibres in water before adding to the mix.
Recommended Dosage	To improve resistance to drying and plastic shrinkage cracking, 300 g of SikaFiber®-200 per m³. Depending on the desired performance, it is possible to use a higher dosage. In any case, it is recommended to carry out tests to determine the optimal dosage for the application and the desired result.

VALUE BASE

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

LIMITATIONS

- For best results use a good quality concrete / mortar. Fibres will not improve the quality of poor concrete
  or mortar
- SikaFiber®-200 is compatible with other Sika admixtures
- Do not use to replace structural steel reinforcement

ECOLOGY, HEALTH AND SAFETY

Local safety regulations must be observed and it advisable to wear PPI when working with this product with particular attention paid to cutting and handling. Transportation Class: The product is not classified as hazardous good for transport. Disposal: The material is recyclable. Disposal must be according to local regulations. Please contact your local Sika sales organisation for more information.

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.

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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