

PRODUCT DATA SHEET

SikaFiber[®]-200

Bio-based fibres for concrete, screeds and mortars

PRODUCT DESCRIPTION

SikaFiber[®]-200 is a cellulose microfibre for use in concrete, screeds and mortars to minimise the risk of drying and plastic shrinkage cracking. This natural fiber is an alternative to polypropylene microfibres.

USES

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

- Slabs, floors
- Fluid screeds, traditional screeds
- External pavement
- Decorative concrete
- Mortars

PRODUCT INFORMATION

Chemical Base	Cellulose
Packaging	300 g bags 60 bags per box, 12 boxes per pallet
Appearance / Colour	White micronised fibers
Shelf Life	24 months from date of production
Storage Conditions	The product must be stored in original, unopened and undamaged packaging in dry conditions
Density	1.5 kg/m ³ Fibre count >3 billion fibres per 300 g bag
Length	200 µm
Diameter	20 µm

CHARACTERISTICS / ADVANTAGES

SikaFiber[®]-200 are extremely fine fibres that disperse very easily in the fresh concrete during mixing and create a very dense network, to help distribute stresses in the curing concrete that cause larger cracks due to drying and plastic shrinkage.

SikaFiber[®]-200 can replace traditional wire mesh used to control plastic shrinkage but are not suitable for structural use.

ENVIRONMENTAL INFORMATION

SikaFiber[®]-200 fibres are made of a pure cellulose obtained by wood processing and are 100 % natural material which is biodegradable and not harmful to the environment.

TECHNICAL INFORMATION

Water Absorption

~2 L per 300 g bag; adjust workability using a suitable Sika plasticiser.
NOTE: Do not pre-soak the fibres in water before adding to the mix.

APPLICATION INFORMATION

Recommended Dosage

1 x 300 g bag per m³
Higher dosage is dependent on trials, consult your local Sika Technical Department.

VALUE BASE

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

LIMITATIONS

- Compatible with other Sika admixtures
- Do not use to replace structural steel reinforcement

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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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Product Data Sheet

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