BUILDING TRUST

PRODUCT DATA SHEET

Sika® Crackstop Fiber 6 mm

POLYPROPYLENE MICRO FIBRES FOR SCREED, CONCRETE AND MORTARS

DESCRIPTION

Sika® Crackstop Fiber 6 mm are 6 mm long monofilament polypropylene fibres for use in screed, concrete and mortars.

USES

For most types of non-structural concrete and cementitious mortars which need to reduce the incidence of shrinkage cracking:

- Ground bearing slabs
- Screeds and overlays
- Renders and plasters
- Precast concrete elements
- Sprayed applications
- Extruded concrete
- Interior and exterior applications

CHARACTERISTICS / ADVANTAGES

- Safe and easy to use
- Reduces tendency for plastic and drying shrinkage cracking
- Reduces plastic settlement
- Increases impact resistance
- Reduces spalling at high temperature

APPROVALS / STANDARDS

CE Marking and Declaration of Performance to EN 14889-2 – Polymer Fibers for use in concrete mortar and grout

PRODUCT INFORMATION

Chemical Base	Polypropylène
Packaging	Box of 30 bags of 600 grams
Appearance / Colour	White
Shelf Life	3 year
Storage Conditions	The product must be stored in original, unopened and undamaged packaging in dry conditions.
Density	~0,91 g/cm3
Dimensions	Length = 6 mm, Equivalent diameter = 19,5 µm
Concrete Mixing Time	Add the fibers to the screed, concrete or mortar: ▪ in the mixer with the aggregates before introduction of the water : 55 seconds mixing time ▪ or in the mixer after introduction of water (open the bag to simplify the mixing) : : 55 seconds mixing time. This mixing is the recommended one for screed and mortars with aggregates < 6mm. ▪ or in the truck : 1 min/ m^3 and at least 5minutes for a full truck

	In case of specific concrete (high performance, low water on concrete ratio, ...) or specific use with high dosage (to Reduces spalling at high temperature for example), it is recommanded to check if the mixing time is long enough to ensure a good fiber distribution. Caution: Never add the fibers directly to the mixing water.
Recommended Dosage	The usual dosage range depending on the concrete formula used and according to the desired performance is: ▪ To reduce plastic and drying shrinkage cracking, reduce plastic settlement or increase impact resistance: 1 dose of 600 g for 1m3 of concrete is usally used. ▪ To reduces spalling at high temperature: dosage is at least 1,2 Kg/m^3 and sometime higher, depending of results of perfomance tests. However, it is recommended to carry out tests to determine the optimum dosage of each concrete mix/application.

BASIS OF PRODUCT DATA

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.

ECOLOGY HEALTH AND SAFETY

REGULATION (EC) NO 1907/2006 - REACH

This product is an article as defined in article 3 of regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use. A safety data sheet following article 31 of the same regulation is not needed to bring the product to the market, to transport or to use it. For safe use follow the instructions given in this product data sheet.Based on our current knowledge, this product does not contain SVHC (substances of very high concern) as listed in Annex XIV of the REACH regulation or on the candidate list published by the European Chemicals Agency in concentrations above 0.1 % (w/w)

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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