

PRODUCT DATA SHEET

SikaCem[®] Fibres-6

POLYPROPYLENE MICRO FIBRES FOR CONCRETE AND MORTARS

PRODUCT DESCRIPTION

SikaCem[®] Fibres-6 are 6 mm long monofilament polypropylene fibres for use in 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.

PRODUCT INFORMATION

Chemical Base	Polypropylene.
Packaging	150 grams per pack. 20 Packs per box.
Shelf Life	36 months when stored as directed.
Storage Conditions	The product must be stored in original, unopened and undamaged packaging in dry conditions.
Appearance / Colour	White.
Dimensions	Length = 6 mm, Equivalent diameter = 34 µm
Density	~0,91 g/cm ³

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 Fibres for use in concrete mortar and grout.

TECHNICAL INFORMATION

Concrete Mixing Time

- Add the fibres directly to the micro-concrete or mortar already mixed.
 - Mix again to obtain a good distribution of the fibres (1 to 2 minutes).
- Caution: Never add the fibres directly to the mixing water.

Recommended Dosage

The usual dosage range depending on the concrete formula used and according to the desired performance is:

- 1 dose of 150 g for 2 cement bags of 25 to 35 kg.

However, it is recommended to carry out tests to determine the optimum dosage.

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.

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 the 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.

SIKA LIMITED

Watchmead
Welwyn Garden City
Hertfordshire, AL7 1BQ
Tel: 01707 394444
Web: www.sika.co.uk
Twitter: @SikaLimited



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