

SikaFibre®

Polypropylene Fibres for Concrete

Description	SikaFibre is high quality micro monofilament polypropylene fibres. It is designed to minimize and control plastic shrinkage cracks in concrete. SikaFibre is available in pre-measured, ready to use degradable bags for 1 m ³ of concrete.
Use	SikaFibre reinforces fresh concrete and reduce the incidence of shrinkage cracking in pre-hardening stage. SikaFibre is used in : ■ Slabs ■ Pavements ■ Precast concrete products ■ Heavy-duty industrial floors ■ Overlays ■ Shotcrete ■ Mortar screeds and plasters <i>Note : Polypropylene fibres are not intended to replace reinforcement steel.</i>
Advantages	Thanks to their fineness and special-surface treatment, SikaFibre is uniformly distributed to provide internal reinforcement to : ■ Reduce plastic shrinkage cracking ■ Improve fresh concrete cohesion ■ Improve impact and abrasion resistance ■ Improve concrete durability
Instructions for Use	Put 1 (one) bag of 0.6 kg SikaFibre per m³ concrete directly into the mixture. A mixing time of 3 to 5 minutes is necessary to ensure that the bag is fully degraded and ensure uniform fibre dispersion throughout the mix. SikaFibre is compatible with all Sika admixtures. The standard procedures for placing, finishing and curing concrete shall be followed. In addition, proper reinforcement and joint spacing should be observed.
Product Data	
Base	Polypropylene fibres with surface agent
Colour	Natural
Specific Gravity	0.91 g/cm ³
Fibre Length	12 mm
Fibre Diameter	18 micron – nominal
Tensile strength	300 – 440 MPa
Elastic Modulus	6000 – 9000 N/mm ²
Water absorption	Nil
Softening Point	160 °C
Shelf Life	3 years if stored in original unopened packaging in cool, dry condition
Packaging	0.6 kg/bag at 40 bags per box



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Health and Safety

The product is safe to handle, no restrictions
The product is classified : Non Toxic

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.



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