

PRODUCT DATA SHEET

Sika® Fibermesh®-150 F (GB)

MICRO-SYNTHETIC MONOFILAMENT FIBRE

DESCRIPTION

Sika® Fibermesh®-150 F (GB) micro reinforcement system for concrete - 100 percent virgin polypropylene monofilament fibres. Specifically engineered and manufactured in an ISO 9001 certified manufacturing facility. Sika® Fibermesh®-150 F (GB) previously SikaFiber PPM.

USES

Applicable to all types of concrete which demonstrate a need for resistance to fire spalling, intrinsic cracking, and improved water tightness

- Tunnels
- High rise buildings
- Concrete framed structures
- Bridges / underpasses
- Multi story garages
- Schools
- Oil Platforms
- Precast
- Shotcrete

CHARACTERISTICS / ADVANTAGES

- Reduces fire explosive spalling Inhibits and controls the formation of intrinsic cracking in concrete
- Increases cohesion and reduces segregation
- Reduces settlement and bleeding
- Provides durability

APPROVALS / CERTIFICATES

Conforms to the requirements of EN 14889-2:2006 Fibres for Concrete - Polymer Fibres, Class 1a. DoP 54047415, certified by Factory Production Control Body 1136 and provided with the CE mark

PRODUCT INFORMATION

Packaging	Sika® Fibermesh®-150 F (GB) fibres are available in 280kg or 450kg bulk bags and in 1kg hydrosoluble bags
Appearance and colour	Monofilament micro synthetic fibre
Shelf life	5 years from date of production if stored in dry, unopened and undamaged packaging.
Storage conditions	Protected from moisture and direct sunlight
Density	0.91 g/cm ³ at +20°C
Dimensions	<ul style="list-style-type: none"> ▪ Length: 12 mm ▪ Diameter: 32 µm
Melting point	160 °C (320 °F)

TECHNICAL INFORMATION

Resistance to alkalinity Excellent

APPLICATION INFORMATION

Recommended dosage	The dosage of the Sika® Fibermesh®-150 F (GB) will vary according to the Fire Testing Requirements. Typical recommended dosage of Sika® Fibermesh®-150 F (GB) according to the EFNARC standard is 2 kg/m ³ of concrete.
Dispensing	Sika® Fibermesh®-150 F (GB) in degradable bags can be added directly to the concrete mixing system after the batching of the other ingredients and mixed for 4 to 5 minutes or 70 revolutions. Application The addition of Sika® Fibermesh®-150 F (GB) at the recommended dosage rates does not require any mix design or application changes. The fibre concrete can be mixed, sprayed or placed using conventional equipment. Finishing Concrete with Sika® Fibermesh®-150 F (GB) can be finished by most standard finishing techniques.

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 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.

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