



PRODUCT DATA SHEET

Sika® Fibermesh®-150F

MICRO-SYNTHETIC MONOFILAMENT FIBER FOR RESISTANCE TO FIRE SPALLING

PRODUCT DESCRIPTION

Sika® Fibermesh®-150F micro reinforcement system for concrete - 100 percent virgin homopolymer polypropylene multifilament (monofilament) fibers. Specifically engineered and manufactured in an ISO 9001 certified manufacturing facility.

WHERE TO USE

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

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

PRODUCT INFORMATION

Packaging	Sika® Fibermesh®-150F fibers are available in 6 mm and 12 mm lengths. The 6mm length is packaged in 12 x 1kg cartons, and the 12 mm length is packaged in 15 x 1 kg cartons.
Appearance / Colour	<ul style="list-style-type: none">▪ Fiber Type: Monofilament micro synthetic fiber▪ Diameter: 0.03 mm or 6 denier (0.0012 inches)▪ Aspect Ratio: 200 or 390
Shelf Life	When stored in dry conditions shelf life is 5 years
Storage Conditions	Sika® Fibermesh®-150F should be stored in a dry warehouse. Protect product from the rain.

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

- Complies with European Standard EN 14889-2:2006 Fibres for Concrete Part 2: Class 1b and carries CE marking
- UL Classified: Fibermesh 150. For use in Floor-Ceiling D700, D800, D900, G229, G243, G256, G514 Series Designs.
- Complies with ASTM C 1116/C 1116M, Type III fiber reinforced concrete and therefore ASTM D7508

Density	0.91
Melting Point	324 °F (162 °C)

TECHNICAL INFORMATION

Resistance to Alkalinity	Excellent
--------------------------	-----------

APPLICATION INFORMATION

Recommended Dosage	The dosage of the Sika® Fibermesh®-150F will vary according to the Fire Testing Requirements. Standard recommend dosage of Sika® Fibermesh®-150F according to the EN standard is 2 kg/m ³ (s 3.4 lb/yd ³) of concrete.
--------------------	---

Mixing	Sika® Fibermesh®-150F 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®-150F at the recommended dosage rates does not require any mix design or application changes. The fiber concrete can be mixed, sprayed or placed using conventional equipment.

Tooling & Finishing

Sika® Fibermesh®-150F can be finished by most finishing techniques.

BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

ENVIRONMENT, HEALTH & 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.

Sika Canada Inc.
 Head Office
 601, avenue Delmar
 Pointe-Claire, Quebec
 H9R 4A9
 1-800-933-SIKA
 www.sika.ca

Other locations
 Boisbriand (Quebec)
 Brantford; Cambridge;
 Sudbury; Toronto (Ontario)
 Edmonton (Alberta)
 Surrey (British Columbia)

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

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 recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. 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 or may be downloaded from our website at: www.sika.ca

SikaFibermesh-150F-en-CA-(03-2023)-1-1.pdf

Product Data Sheet
 Sika® Fibermesh®-150F
 March 2023, Version 01.01
 021408031010000005

