

## PRODUCT DATA SHEET

# Sika® Fibermesh®-150F

### MICRO-SYNTHETIC MONOFILAMENT FIBER

#### 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. Sika® Fibermesh®-150F 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

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

#### PRODUCT INFORMATION

<b>Packaging</b>	Sika® Fibermesh®-150F fibers are available in a variety of packaging options. The 2.2 lb degradable bags (1.0 kg) is standard. The bags are packed into cartons and palletized.
<b>Appearance / Color</b>	<ul style="list-style-type: none"> <li>▪ <b>Fiber Type:</b> Monofilament micro synthetic fiber</li> <li>▪ <b>Fiber Network:</b> 56,800,000 fibers/pound (25,764,000 fibers/kg) at 12mm in length</li> </ul>
<b>Shelf Life</b>	When stored in dry conditions shelf life is 5 years
<b>Storage Conditions</b>	Sika® Fibermesh®-150F should be stored in a dry warehouse. Protect

#### 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 / STANDARDS

- 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

	product from the rain.
Density	0.91
Dimensions	<ul style="list-style-type: none"> <li>▪ <b>Length:</b> 0.24 or 0.47 inches ( 6 or 12 mm)</li> <li>▪ <b>Diameter:</b> 0.0012 inches or 6 denier (0.03 mm)</li> <li>▪ <b>Aspect Ratio:</b> 200 or 390</li> </ul>
Melting Point	324 °F (162 °C)

## TECHNICAL INFORMATION

Resistance to Alkalinity	Excellent
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## 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 3.4 lb/yd <sup>3</sup> (2 kg/m <sup>3</sup> ) of concrete.
Mixing	<p>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.</p> <p><b>Application</b> 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.</p> <p><b>Tooling &amp; Finishing</b> Sika® Fibermesh®-150F can be finished by most finishing techniques.</p>

## BASIS OF PRODUCT DATA

at 1-800-424-9300, International 703-527-3887.

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

## OTHER RESTRICTIONS

See Legal Disclaimer.

## ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC

## LEGAL DISCLAIMER

- KEEP CONTAINER TIGHTLY CLOSED
- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION
- FOR INDUSTRIAL USE ONLY
- FOR PROFESSIONAL USE ONLY

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at [usa.sika.com](http://usa.sika.com) or by calling SIKA's Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

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