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

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 n 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 INFORMATION

<table>
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<tr>
<th>Packaging</th>
<th>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.</th>
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| Appearance / Color | • **Fiber Type:** Monofilament micro synthetic fiber  
                     • **Fiber Network:** 56,800,000 fibers/pound (25,764,000 fibers/kg) at 12mm in length                                                                                       |
| 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.                                                                                                          |
| Density            | 0.91                                                                                                                                                                                          |
Dimensions
- **Length:** 0.24 or 0.47 inches (6 or 12 mm)
- **Diameter:** 0.0012 inches or 6 denier (0.03 mm)
- **Aspect Ratio:** 200 or 390

**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 3.4 lb/yd³ (2 kg/m³) 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**

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

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

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SIKA warrants this product for one year from date of installation to be free from manufacturing defects and...
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