SIKA FIBERMESH 150 MICRO-SYNTHETIC FIBER
Sika Fibermesh 150, micro-reinforcement system for concrete—100 percent virgin homopolymer polypropylene multifilament (monofilament) fibers with e3® patented technology containing no reprocessed olefin materials. Specifically engineered and manufactured in an ISO 9001 certified manufacturing facility for use as concrete reinforcement.

FEATURES & BENEFITS
• Inhibits and controls the formation of intrinsic cracking in concrete
• Increases cohesion and reduces segregation
• Reduces settlement and bleeding
• Reduces plastic shrinkage and settlement cracking
• Increases impact and shatter resistance
• Reinforces against abrasion
• Reduces freeze/thaw damage
• Provides durability
• Alternative system to traditional reinforcement when used for secondary (crack control) reinforcing in concrete
• At minimum dosage a 69% Crack Reduction Ratio per the ASTM C1579 testing

PRIMARY APPLICATIONS
Applicable to all types of concrete which demonstrate a need for resistance to intrinsic cracking, improved water tightness and an aesthetic finish.
- Slabs-on-ground
- Sidewalks
- Driveways
- Stucco
- Shotcrete
- overlays & toppings
- Roads and pavement
- Tanks and pools
- Self compacting concrete

COMPLIANCE
• Complies with European Standard EN 14889-2:2006 Fibers for Concrete Part 2: Class Ia and carries CE marking
• UL Classified: For use as an alternate or in addition to the welded wire fabric used in Floor-Ceiling D700, D800, D900 Series Designs. Fibers may also be used in Floor-Ceiling Design Nos. G229, G243, G256, G514
• Complies with ASTM C 1116/C 1116M,Type III fiber reinforced concrete
• ISO 9001 Quality Assured Facility

CHEMICAL AND PHYSICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Absorption</td>
<td>Nil</td>
</tr>
<tr>
<td>Ignition Point</td>
<td>759.2°F (404°C)</td>
</tr>
<tr>
<td>Acid &amp; Salt Resistance</td>
<td>High</td>
</tr>
<tr>
<td>Melt Point</td>
<td>320°F (160°C)</td>
</tr>
<tr>
<td>Alkali Resistance</td>
<td>Alkali Proof</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.91</td>
</tr>
<tr>
<td>Electrical Conductivity</td>
<td>Low</td>
</tr>
<tr>
<td>Thermal Conductivity</td>
<td>Low</td>
</tr>
<tr>
<td>Fiber Length</td>
<td>Graded</td>
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</tbody>
</table>

*Also available in single cut lengths
MIXING: Fibermesh 150 micro reinforcing is a mechanical, not chemical, process. The addition of Fibermesh 150 multifilament fiber does not require any additional water or other mix design changes at normal rates. Fibermesh 150 fiber is added to the mixer during or after batching the other concrete materials. After the addition of the fibers, the concrete should be mixed for a sufficient time (batch plant: minimum 5 minutes or 70 revolutions) to ensure uniform distribution of the fibers throughout the concrete mix. Mixing times may vary please contact Sika Fiber representative. 

PLACING: Fibermesh 150 micro-reinforced concrete can be pumped, sprayed or placed using conventional equipment.

FINISHING: Fibermesh 150 micro-reinforced concrete can be finished by normal finishing techniques such as, exposed aggregate, broomed and tined surfaces.

APPLICATION RATE: See your local Sika Fiber representative for recommendations regarding application rates.

GUIDELINES
Fibermesh 150 fibers should not be used to replace structural, load-bearing reinforcement. Fibermesh 150 fibers should not be used as a means of using thinner concrete sections than original design. Fibermesh 150 fibers should not be used to increase joint spacing past those dimensions suggested for un-reinforced concrete.

COMPATIBILITY
Fibermesh 150 fibers are compatible with all concrete admixtures and performance enhancing chemicals.

SAFETY
No special handling is required with Fibermesh 150 fibers. Full Safety Data Sheets are available on request.

PACKAGING
Fibermesh 150 fibers are available in a variety of packaging options. The 3.0 lb bag (1.42 kg) is standard in North America and 2 lb (0.9 kg) bag in Europe. Bags are packed into cartons, palletized and shrink-wrapped for protection during shipping. Special packaging is available for full truckload addition. Store materials in a cool dry place. Do not store in direct sunlight.

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