

PRODUCT DATA SHEET

Sika® Fibermesh®-300

MICRO-SYNTHETIC FIBRILLATED FIBRE

PRODUCT DESCRIPTION

Sika® Fibermesh®-300, micro-reinforcement system for concrete is made up of 100 percent virgin polypropylene fibrillated fibres, containing no reprocessed olefin materials. Specifically engineered and manufactured in an ISO 9001 certified manufacturing facility for use as concrete reinforcement.

USES

Sika® Fibermesh®-300 is a micro fiber that acts mechanically by supporting the aggregate within the concrete with multidimensional fibre network and helps to develop a uniform bleed in the concrete system. The fibre does not affect the curing process chemically and it does not absorb water. Sika® Fibermesh®-300 can be used in all types of concrete applications to control plastic shrinkage and settlement cracking.

Typical applications include:

- Footpaths, driveways, decks, curbs
- Shotcrete
- Overlays & toppings
- Roads & pavements
- Tanks & pools

PRODUCT INFORMATION

Packaging	Sika® Fibermesh®-300 is available in 0.9kg degradable bags. The bags are packed into boxes and palletized.
Shelf Life	5 years from date of production if stored in dry, unopened and undamaged packaging.
Storage Conditions	Protected from moisture and direct sunlight
Appearance / Colour	Fibrillated micro synthetic fibre
Dimensions	Sika® Fibermesh®-300e3 <ul style="list-style-type: none"> ▪ Length: 12-19 mm graded ▪ Equivalent Diameter: 0.24 - 0.64 mm graded
Melting Point	162 °C (324 °F)

CHARACTERISTICS / ADVANTAGES

- Reduces plastic shrinkage and settlement cracking.
- Improves impact, shatter and abrasion resistance
- Enhances durability
- Promotes uniform bleed and reduces bleed water
- Reduces freeze / thaw damage
- Increases cohesion and reduces segregation

APPROVALS / STANDARDS

Conforms to the requirements of EN 14889-2:2006
Fibres for Concrete - Polymer Fibres, Class 1b.

- **Sika® Fibermesh®-300e3**: DoP 36817160, certified by Factory Production Control Body 1301 and provided with the CE mark

TECHNICAL INFORMATION

Resistance to Alkalinity Excellent

APPLICATION INFORMATION

Recommended Dosage The dosage of Sika® Fibermesh®-300 will vary according to the type of application and performance requirements. Standard recommended dosage rate of Sika® Fibermesh®-300 is 0.9 to 1.8 kg/m³ of concrete. Dosages outside the recommended dosage can be used to meet project specific requirements. If this is the case please contact your Sika representative for technical support.

VALUE BASE

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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