BUILDING TRUST

PRODUCT DATA SHEET

Sika® Fibermesh®-300

MICRO-SYNTHETIC FIBRILLATED FIBER

PRODUCT DESCRIPTION

Sika® Fibermesh®-300, micro-reinforcement system for concrete is made up of 100 percent virgin homopolymer polypropylene fibrillated fibers. Specifically engineered and manufactured in an ISO 9001 certified manufacturing facility for use as concrete reinforcement. Sika® Fibermesh®-300 previously SikaFiber PPF.

USES

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

- Residential applications: sidewalks, driveways, decks, curbs
- Stucco
- Shotcrete
- Overlays & toppings
- Roads & pavements
- Tanks & pools

CHARACTERISTICS / ADVANTAGES

- Reduces plastic shrinkage and settlement cracking.
- Replacement for typical light gauge wire mesh - 6x6 W1.4/W1.4 (152x152 MW9.1/MW9.1)
- Improves impact, shatter and abrasion resistance
- Enhances durability
- Promotes uniform bleed and reduces bleed water
- Inhibits and controls the formation of intrinsic cracking in the concrete
- Reinforces against abrasion
- Helps reduce cracking due to freeze / thaw
- Increases cohesion and reduces segregation

ENVIRONMENTAL INFORMATION

Lowers carbon footprint through the removal wire mesh reinforcing which has a higher GWP.
A Type III Product-Specific Environmental Product Declaration (EPD) and a Manufacturer Inventory are available for Sika® Fibermesh®-300. For further information, please visit:
https://usa.sika.com/en/sustainability.html

APPROVALS / STANDARDS

- Complies with European Standard EN 14889-2:2006 Fibres for Concrete Part 2: Class Ia and carries the CE marking.
- UL/ULc Classification: For use as an alternate or in addition to the welded wire fabric used in floor-Ceiling D700, D800, D900, G229, G243, G256, & G514 Series Designs.
- Complies with ASTM C1116/ C1116M, Type III fiber reinforced concrete and therefore ASTM D7508.

PRODUCT INFORMATION

Fiber Type	**f**ibrillated micro synthetic fiber
Packaging	Sika® Fibermesh®-300 is available in a variety of packaging options. The bags are packed into cartons and palletized.
Shelf Life	When stored in dry conditions, shelf life is 5 years.
Storage Conditions	Sika® Fibermesh®-300 should be stored in a dry warehouse. Protect product from the rain and direct sunlight.
Dimensions	▪ **Length:** Graded 0.5 & 0.75" (12.7 & 19 mm). Also available in single cut lengths of 0.75 or 1.5" (19 or 38 mm) ▪ **Diameter:** 0.01, 0.015, & 0.025 inches (0.24, 0.4, & 0.64 mm). Also available in single equivalent diameter. ▪ **Aspect Ratio:** Varies from 20 to 79
Melting Point	324 °F (162 °C)
Fiber Volume Content	185,000 fibers / lb

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 1.5 to 3 lb/cu yd (0.89 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.

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.

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

OTHER RESTRICTIONS

See Legal Disclaimer.

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 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.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product

Data Sheet if used as directed within the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.**

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