

# PRODUCT DATA SHEET

## BMI Mesh

### GLASS FIBER REINFORCING MESH



#### PRODUCT DESCRIPTION

BMI Mesh is a specialty woven, alkali resistant glass fiber reinforcing mesh used with BMI 777 Polymer-Modified Base Coat to provide impact resistance and strength.

#### USES

- BMI Mesh is primarily used with BMI 777 Polymer-Modified Base Coat in accordance with EIFS specifications.

- It can also be used to integrate EPS shapes and over stucco in restoration projects to help resist cracking.
- Recommended for all applications and low traffic areas, second floor and higher as well as specialty shapes, parapets, irregular detail work inside and outside corners.

#### CHARACTERISTICS / ADVANTAGES

- Meets ASTM D-3775, ASTM D-3776, ASTM D-1777, ASTM D-5035

#### PRODUCT INFORMATION

Packaging	Field Mesh	48" wide x 150 linear feet	4 rolls per box
	Detail Mesh	9 <sup>1</sup> / <sub>2</sub> " wide x 450 linear feet	16 rolls per box
Appearance / Color	Off-white		
Shelf Life	24 months from date of production		
Storage Conditions	Store dry and protect from moisture		

#### APPLICATION INFORMATION

Coverage	4.5 oz/yd
----------	-----------

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

- Before applying EPS insulation board, attach BMI Mesh from the edges of all planned termination points of the insulation with base coat.
- This strip of mesh will wrap the edge of the insulation when the base coat is applied “back wrapping”.
- The EPS insulation must be well fastened or adhered to the substrate.
- If insulation board has been adhesively applied, wait at least 24 hours before continuing work on the surface.
- Fill 1/8” (3.2 mm) gaps and larger in insulation board with slivers of EPS.
- Cut slivers flush with razor blade and rasp entire surface of insulation board.
- EPS insulation board shall not vary more than 1/8” (3.2 mm) in every 8’ (2.4 m) span.
- Cut any aesthetic joints at this time.
- Brush or blow off all insulation dust from wall.
- To complete the back wrapping of the insulation board, apply the base coat to the underside and appx. 6” (15.2 cm) up the insulation board.
- Starting from the underside, trowel in the BMI Mesh fully into the base coat.
- Do not leave any wrinkles in the mesh.
- Feather the base coat onto the insulation board.

### APPLICATION METHOD / TOOLS

- Prior to the application of base coat and BMI Mesh, all insulation board irregularities greater than 1/16” (1.6 mm) must be sanded flush.
- Install detail BMI Mesh over aesthetic joints or other architectural details.
- Leave enough detail BMI Mesh so that field mesh can overlap onto detail mesh at least 2 1/2” (63.5 mm).
- Apply base coat over entire area to receive mesh approx. 3/32” (2.4 mm) thick for 4.5 oz (133 mL).
- Immediately place reinforcing mesh against the wet basecoat troweling from the center out to avoid wrinkles.
- Trowel until BMI Mesh is completely embedded and the color of the mesh can not be seen.
- The mesh should be continuous at all corners and lapped or butted in accordance with BMI’s recommendations.
- The thickness of the base coat shall be sufficient to fully cover the mesh.
- Let base coat dry for 24 hours and examine to make sure entire surface is flat enough for finish application.
- If joints can be seen apply another thin coat of base or sand joints lightly to flatten surface.

## 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.

### LOCAL RESTRICTIONS

Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product’s most current Product Data Sheet, product label and Safety Data Sheet which are available online at <http://usa.sika.com/> or by calling Sika's Technical Service Department at 800.933.7452 nothing contained in any Sika materials relieves the user of the obligation to read and follow the warnings and instructions for each Sika product for each Sika product as set forth in the current Product Data Sheet, product label and Safety Data Sheet prior to product use.

### ECOLOGY, HEALTH AND SAFETY

Keep container tightly closed. Keep out of reach of children. Not for internal consumption. For industrial use only. For professional use only. For further information and advice regarding transportation, handling, storage and disposal of chemical products, users should refer to the actual Safety Data Sheets containing physical, ecological, toxicological and other safety related data. Read the current actual Safety Data Sheet before using the product. In case of emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

### 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 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.

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, ecological, 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.

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.** Sale of SIKA products are subject to the Terms and Conditions of Sale which are available at <https://usa.sika.com/en/group/SikaCorp/termsandconditions.html> or by calling 201-933-8300.

**Sika Corporation**

201 Polito Avenue  
Lyndhurst, NJ 07071  
Phone: 800-933-7452  
Fax: 201-933-6225

**BMI Products of Northern California Inc.**

990 Ames Avenue  
Milpitas, CA 95035-6303  
Phone: (408) 293-4008  
Fax: (408) 293-4103



Product Data Sheet  
BMI Mesh  
August 2018, Version 01.01  
020405010070000006

BMI Mesh-en-USBMI-(08-2018)-1-1.pdf

