

PRODUCT DATA SHEET

Sikalastic® Rapid Fleece PMMA

Non-woven, needle-punched polyester fleece reinforcement

PRODUCT DESCRIPTION

Sikalastic® Rapid Fleece PMMA is a non-woven, needle-punched polyester fleece reinforcement for Sika's Sikalastic Rapid resin products.

USES

Reinforcing fleece for Sika's Sikalastic Rapid resin products for roofing and waterproofing applications.

AREAS OF APPLICATION

- New Roofs, Reroofs, and Recovers
- Details that are difficult to flash with a sheet membrane
- Angle Iron
- I-Beam
- Close Multiple Conduits

CHARACTERISTICS / ADVANTAGES

- Adds strength and durability
- Conforms well to irregular shapes and surfaces
- Helps maintain membrane uniformity

PRODUCT INFORMATION

Chemical Base	Polyester fleece
Packaging	10" x 164 ft (25.4 cm x 50 m) roll, 4 lbs (1.8 kg) per roll, 90 rolls per pallet 13.8" x 164 ft (35.1 cm x 50 m) roll, 5 lbs (2.3 kg) per roll, 90 rolls per pallet 20.7" x 164 ft (52.6 cm x 50 m) roll, 10 lbs (4.5 kg) per roll, 90 rolls per pallet 41.3" x 164 ft (104.9 cm x 50 m) roll, 15 lbs (6.8 kg) per roll, 36 rolls per pallet
Color	White
Shelf Life	N/A
Storage Conditions	Store in a cool and dry location. Store flat to avoid deforming rolls and creasing fabric.
Thickness	25 mil (0.65 mm)
Volatile organic compound (VOC) content	See Product Safety Data Sheet
Weight	0.36 oz/ft ² (110 g/m ²)
Resistance to Static Puncture	> 240 N
Tensile Strength	≥ 130 & 150 lbs MD & CMD ¹ (ASTM D-1682) ¹ MD = Machine Direction, CMD = Cross Direction
Resistance to Tearing (nail shank)	> 200 N (ASTM D-1117)
Water Absorption	< 1%
Elongation at break	≥ 50 & 70% MD & CMD ¹ (ASTM D-1682) ¹ MD = Machine Direction, CMD = Cross Direction

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.

USES

Use only with Sikalastic Rapid resin products.

AVAILABILITY/WARRANTY

AVAILABILITY

From Sika Corporation –Sika Authorized Applicators for use within Sika systems.

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.

APPLICATION INSTRUCTIONS

APPLICATION

Membrane application:

Apply the catalyzed resin to the prepared surface. Place Sikalastic® Rapid Fleece PMMA into the liquid resin, ensuring the fleece is smooth and without any wrinkles. The fleece will begin to saturate with the liquid resin. Roll the fleece with a nap roller applying light pressure to eliminate air bubbles, wrinkles, etc. Add additional liquid resin mix on top of Sikalastic® Rapid Fleece PMMA until the fleece is fully saturated and the resin layer is uniformly applied. Allow a 2 in (5 cm) overlap at the side laps and 4 in (10 cm) at all flashing tie-ins and end laps.

Flashing application:

- Pre-cut Sikalastic® Rapid Fleece PMMA to fit around the penetration. Vertical flashing pieces must extend 2" (51 mm) from the base onto the horizontal and horizontal flashing pieces must extend 4" (10.2 cm) out from the base of any penetration. Flashing height should be a minimum of 8" (20.3 cm). Horizontal flashing fleece pieces must extend a minimum of 4"

(10.2 cm) beyond the leading edge of the penetration, or a minimum of 2" (51 mm) beyond the edge of the fastening plate. Add 2" (51 mm) for the overlap with adjoining pieces.

- Once the edges of the fleece are determined, mark a line on the membrane ½" (13 mm) beyond the edge of the fleece and apply painter's tape. This will accommodate the ½" (13 mm) of non-reinforced Sikalastic Rapid resin needed to terminate to the membrane.
- With the tape in place, clean the membrane within the area using Sika's Seam Cleaner, acetone, or methyl ethyl ketone (MEK) including the plates and the penetration.
- Mix and apply catalyzed resin. Refer to the individual Sikalastic Rapid resin product data sheets for mixing instructions and application procedures.
- Using a small ½" (13 mm) nap roller with rounded edges or 2" (51 mm) disposable paint brush apply catalyzed Sikalastic Rapid resin onto the penetration up to the finished flashing height and 2" (51 mm) onto the membrane.
- Embed the pre-cut vertical Sikalastic® Rapid Fleece PMMA into the wet resin. Use the roller or brush to eliminate wrinkles and air bubbles while completely saturating the Sikalastic® Rapid Fleece PMMA. Apply additional catalyzed Sikalastic Rapid resin at the 2" (51 mm) overlap between the vertical Sikalastic Rapid Fleece layers.
- Apply catalyzed Sikalastic Rapid resin onto the membrane extending slightly onto the painter's tape. Also coat the 2" (51 mm) fingers from the vertical Sikalastic Rapid Fleece.
- Embed the pre-cut horizontal Sikalastic Rapid Fleece into the wet Sikalastic Rapid resin. Use the roller or brush to eliminate wrinkles and air bubbles while completely saturating the Sikalastic Rapid Fleece. Apply additional catalyzed Sikalastic Rapid resin at the 2" (51 mm) overlap between the horizontal Sikalastic Rapid Fleece layers.
- Apply catalyzed Liquid resin over the entire exposed vertical and horizontal Sikalastic Rapid fleece terminating at the finished flashing height on the vertical and onto the painter's tape on the roof. Make sure the fleece is fully saturated without any dry spots.
- Remove the painter's tape immediately after applying the final layer of catalyzed Sikalastic Rapid resin.

- **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.

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LEGAL DISCLAIMER

- **KEEP CONTAINER TIGHTLY CLOSED**

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Product Data Sheet

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