

ELASTOFLEX® V

SBS BASE MEMBRANE - 2.2mm

PRODUCT DESCRIPTION

Elastoflex V is a high quality, fiberglass reinforced, Styrene-Butadiene-Styrene (SBS) modified bitumen roofing membrane. Elastoflex V is specially designed with a sand surface and either a sand back (for hot mop or cold process applications) or with a polyethylene burn-off film (for heat weld applications). Reinforced with a superior fiberglass mat, the Elastoflex V exhibits exceptional dimensional stability and puncture resistance.

Manufactured for commercial, industrial and residential markets, the proprietary SBS compound will offer long term performance and can be warranted as part of an approved Polyglass warranted roof assembly.

USES

- Designed as a base or interply sheet for multi-ply modified bitumen roof systems
- New roofing, re-roofing or re-cover roof systems and flashing details
- Hot asphalt, cold adhesive, or heat welded (with film backing) installation methods

FEATURES AND BENEFITS

- Exceptional long term weathering performance
- Fiberglass reinforced for exceptional dimensional stability

TECHNICAL DESCRIPTION

TEST METHOD	PROPERTY	ASTM VALUE
ASTM D228	Net mass/unit area, min, lbs/100 ft ² (g/m ²)	45 (2197)
ASTM D5147	Bottom side coating thickness, min, mm, (mils)	40 (1.0)
ASTM D5147	Maximum load at 73.4 ± 3.6°F (23 ± 2°C), MD & XMD, min, before and after heat conditioning, lbf/in. (kN/m)	30 (5.3)
ASTM D5147	Elongation at 73.4 ± 3.6°F (23 ± 2°C), MD & XMD, min, at maximum load, before and after heat conditioning, %	2
ASTM D5147	Tear strength at 73.4 ± 3.6°F (23 ± 2°C), min, lbf	35
ASTM D5147	Low temperature flexibility, max, before and after heat conditioning, °F (C)	0 (-18)



SBS PRODUCTS

PRODUCT DATA

Coverage (Approx).....	150 sq ft
Weight (Approx)	85 lbs
Thickness (Nominal)	2.2 mm; 90 mils
Roll Size	49'2" x 39 3/8" (15m x 1m)
Rolls/Pallet.....	25

APPLICABLE STANDARDS

- ASTM D6163, Type I
- UL Classified for use in class A, B or C roofs, as listed the latest UL "Roofing Materials and Systems Directory"
- Factory Mutual Approved
- TDI
- Florida Building Code Approved
- Miami Dade County Code Compliance
- CAN/CGSB 37-GB-56M Type 2a, Class C



PRODUCT WARRANTY

Polyglass U.S.A., Inc. commercial roofing membranes can be backed with a manufacturer's warranty for up to 20 years when used as part of an approved, multi-ply roofing system. Please see your Polyglass U.S.A., Inc. Sales or Technical Representative for specifications and details.



1-800-222-9782

www.polyglass.com

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APPLICATION INSTRUCTIONS

Elastoflex V is intended to be used as a base sheet or interply in new or re-roof applications. Elastoflex V may be adhered directly to non-combustible substrates. Elastoflex V requires the installation of a compatible surfacing or cap sheet to complete the roofing system.

- Apply over clean, dry, dust and debris-free substrates. Prime concrete decks prior to application with PG 100 Asphalt Primer.
- When re-roofing, remove all prior roofing materials down to a clean debris-free substrate and properly remove all abandoned roof penetrations.
- Concrete or steel decks shall be designed with proper expansion devices.
- Wood decks shall have all joints blocked and properly supported.
- Ensure the fire rating of the assembly over any substrate.
- Ensure the installation of Elastoflex V does not prevent the ventilation of existing construction.
- Do not apply directly over shingles or existing membrane roofing.
- While installing Elastoflex V:
 1. Start at the low point of the roof.
 2. Unroll the material and allow to relax prior to installation.
 3. Install by heat fusing with appropriate open flame torch or hot air welder.
 4. Position successive rolls providing a minimum 6" end lap and 3" side lap.
 5. It is suggested but not mandatory that laps shall be rolled with a 6"-wide roller immediately after heat welding.
- Details and flashing may be installed using hot asphalt, cold application or torch techniques. Check project details for proper installation requirements

POLYGLASS U.S.A., INC. MANUFACTURING FACILITIES

- Fernley, NV
- Hazleton, PA
- Winter Haven, FL

CORPORATE HEADQUARTERS

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Product Disclaimer: Unless otherwise incorporated into or part of a supplemental manufacturer's warranty, Polyglass warrants its product(s) against manufacturing defects in its product that directly results in leakage for a period of 2 years.

Refer to material safety data sheet (MSDS) for specific data and handling of our products. All data furnished refers to standard production and is given in good faith within the applicable manufacturing and testing tolerances.

Polyglass U.S.A., Inc., reserves the right to improve and change its products at any time without prior notice. Polyglass U.S.A., Inc. cannot be held responsible for the use of its products under conditions beyond its own control.

For most current product data and warranty information, visit www.polyglass.com

