

ELASTOFLEX V

SBS (ELASTOMERIC) BASE/INTERPLY SHEET

PRODUCT DESCRIPTION

Elastoflex V is a Styrene-Butadiene-Styrene (SBS) modified bitumen roofing membrane base sheet. This higher quality membrane is reinforced with a high quality fiberglass mat to ensure strength and excellent dimensional stability to the product. Elastoflex V exhibits superior waterproofing and weathering physical properties.

The top surface is available in sand or film and the bottom surface is a factory applied burn-off film. Application methods include mechanically attached, hot asphalt, heat-welded, or as part of cold-applied system. When the top of membrane is surfaced with film, Elastoflex V can be used as a base sheet in self-adhered systems.

Elastoflex V membrane can be used as part of a Polyglass warranted multi-ply system, when combined with Elastoflex V G cap sheets or other approved Polyglass base sheets.

TYPICAL APPLICATIONS

- Use as a base or interply membrane in multi-ply low-slope roofing assemblies.
- Fastened anchor sheet, hot asphalt, cold adhesives or heat fused.
- New roofing, re-roofing and flashing reinforcement.

FEATURES AND BENEFITS

- Versatile for multiple application methods.
- High quality fiberglass mat enhances strength and dimensional stability.
- Provides a strong and durable substrate for other roofing membrane plies.

TECHNICAL DESCRIPTION*

Physical Properties	ASTM Method	ASTM Value	Typical Performance
Peak Load at 0°F [-18°C]	D5147	70 lbf/in [12.3 kN/m]	133 lbf/in [23.3 kN/m] - MD 109 lbf/in [19.1 kN/m] - XMD
Elongation at Peak Load at 0°F [-18°C]	D5147	1%	4.4% - MD 4.7% - XMD
Peak Load at 73°F [23°C]	D5147	30 lbf/in [5.3 kN/m]	50.0 lbf/in [8.8 kN/m] - MD 33.6 lbf/in [5.9 kN/m] - XMD
Elongation at Peak Load at 73°F [23°C]	D5147	2%	5.9% - MD 6.0% - XMD
Ultimate Elongation at 73°F [23°C]	D5147	3%	78.9% - MD 99.4% - XMD
Tear Strength at 73°F [23°C]	D5147	35 lbf [156 N]	116 lbf [517 N] - MD 91.7 lbf [408 N] - XMD
Low Temperature Flexibility [maximum]	D5147	0°F [-18°C]	PASS
Dimensional Stability, max %	D5147	0.50%	0.1% - MD 0.3% - XMD
Compound Stability [pass/fail]	D5147	215°F [102°C]	PASS

*The properties in this table are "as manufactured" unless otherwise noted



PRODUCT DATA**

Net Coverage (Approx) 100 ft² (9.3 m²)
 Weight (Approx) 84 lbs (38 kg)
 Thickness (Nominal) 120 mils (3.0 mm)
 Roll Size 32'10" x 39 3/8" (10 m x 1 m)
 Rolls/Pallet 25

**All values are nominal at time of manufacturing

APPLICABLE STANDARDS

- ASTM D6163, Type I, Grade S
- UL Classified
- FM Approved
- ICC ESR-2018
- Florida Building Code
- Miami-Dade County Approved
- Texas Department of Insurance
- Materials Release 1320d (HUD)



PRODUCT CODES

- EF30PPC (Film/Film)
- EF30SP (Sand/Film)

POLYGLASS



www.polyglass.us

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APPLICATION INSTRUCTIONS

Elastoflex V is intended to be used as a base sheet or interply for new or re-roof applications. Elastoflex V may be applied directly to non-combustible substrates. Elastoflex V requires the installation of an interply and/or compatible granulated cap sheet to complete the roofing system.

- Apply over clean, dry, dust and debris-free substrates. When fully bonding, prime concrete decks and required substrates, prior to application with PG 100 Fast-Drying Asphalt Primer or applicable ASTM D-41 asphalt primer.
- When re-roofing, remove all prior roofing materials down to a clean, dust free substrate. Remove unused or abandoned through-roof penetrations.
- All substrates shall be designed with proper expansion devices.
- Wood decks shall have all joints cross blocked and/or properly supported.
- Installation of Elastoflex V should not adversely affect the ventilation of existing construction.
- Do not apply directly to existing shingles or other unacceptable roof coverings.
- While installing Elastoflex V:
 1. Start at the lowest point of the roof.
 2. Unroll the material and allow it to relax as membrane is positioned prior to installation.
 3. Install in a solid mopping of Type III or Type IV asphalt, PG 350 Mod Bit Adhesive, or fully torch the burnoff film creating a pool of asphalt. Pay close attention to the sidelap. Do not overheat to expose or compromise the reinforcement.
 4. Position successive rolls using a minimum 6" endlap and 3" side lap. Bleed out of SBS asphalt should be 1/8" to 1/4" at all seams.
 5. Laps may be lightly rolled with a 4" to 6" wide roller to ensure lap is fused.
- Details and flashing may be installed using hot asphalt, cold application or torch techniques. Check project details for proper installation requirements.
- For detailed drawings and recommended installation procedures of typical roof segments, such as drip edge and T-joint conditions, please refer to our website at, www.polyglass.us.

MANUFACTURING FACILITIES

- Fernley, NV
- Hazleton, PA
- Waco, TX
- 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 safety data sheet (SDS) 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.us