

ELASTOFLEX V HP

SBS BASE/INTERPLY MEMBRANE TYPE II

PRODUCT DESCRIPTION

Elastoflex V HP is an SBS (elastomeric) modified bitumen roofing membrane base sheet. This durable membrane is reinforced with a high performance fiberglass mat to ensure exceptional strength and dimensional stability to the product. The proprietary SBS compound offers superior waterproofing and weathering physical properties.

Elastoflex V HP is intended for use as a base ply or interply membrane and designed to be installed in mechanically attached or heat-welded. Elastoflex V HP can be used as a part of a Polyglass multi-ply system, when combined with Elastoflex V G HP FR cap sheet or other approved Polyglass cap sheets.

TYPICAL APPLICATIONS

- High performance base or interply membrane in multi-ply low-slope roofing assemblies.
- Fastened anchor sheet or heat fused.
- New roofing, re-roofing and flashing reinforcement.

FEATURES AND BENEFITS

- Strong, versatile base sheet with multiple application methods.
- High Performance fiberglass mat enhances strength and dimensional stability.
- High quality SBS compound for exceptional durability and weathering performance.

TECHNICAL DESCRIPTION*

Physical Properties	ASTM Method	ASTM Value	Typical Performance
Peak Load at 73°F [23°C]	D5147	80 lbf/in [14 kN/m]	126 lb/ft [22 kN/m] - MD 120 lb/ft [21 kN/m] - XMD
Peak Load at 0°F [-18°C]	D5147	150 lbf/in [26.25 kN/m]	194 lbf/in [34 kN/m] - MD 166 lbf/in [29 kN/m] - XMD
Elongation at Peak Load at 73°F [23°C]	D5147	4%	7% - MD 7% - XMD
Elongation at Peak Load at 0°F [-18°C]	D5147	2%	3% - MD 3% - XMD
Ultimate Elongation at 73°F [23°C]	D5147	40%	42% - MD 57% - XMD
Tear Strength at 73°F [23°C]	D5147	110 lbf [489 N]	178 lbf [792N] - MD 199 lb [884 N] - XMD
Low Temperature Flexibility [maximum]	D5147	0°F [-18°C]	-30°C
Dimensional Stability, max %	D5147	0.50%	pass
Compound Stability [pass/fail]	D5147	215°F [102°C]	pass

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



PRODUCT DATA**

Coverage (Approx)..... 150 sq ft (13.7 m²)
 Weight (Approx) 85 lbs (39 kg)
 Thickness (Nominal) 90 mils (2.2 mm)
 Roll Size 49'2" x 39 3/8" (15 m x 1 m)
 Rolls/Pallet.....25

**All values are nominal at time of manufacturing

APPLICABLE STANDARDS

- ASTM D6163, Type II, Grade S
- UL Classified



PRODUCT CODES

- EFH22PP



www.polyglass.us

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APPLICATION INSTRUCTIONS

Elastoflex V HP is intended to be used as a base sheet or interply for new or re-roof applications. Elastoflex V HP may be applied directly to non-combustible substrates. Elastoflex V HP 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. Prime concrete decks and required substrates prior to application with PG 100 Fast-Drying Asphalt Primer. Consult Polyglass Technical Service if alternate primer is allowed.
- When re-roofing, remove all prior roofing materials down to a clean debris-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 HP should not adversely affect the ventilation of existing construction.
- Do not apply directly over shingles or other unacceptable roof coverings.
- While heat welding Elastoflex V HP:
 1. Start at the low point of the roof.
 2. Unroll the material and allow it to relax as membrane is positioned prior to installation.
 3. Install with traditional torch roofing techniques ensuring proper heating of the roofing material.
 4. Do not overheat to expose or compromise the reinforcement.
 5. Position successive rolls providing a minimum 6" end lap and 3" side lap. Bleed out of SBS asphalt should be 1/8" to 1/4" at all seams.
 6. 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 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



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