ELASTOBASE® V

SBS (ELASTOMERIC) BASE SHEET

PRODUCT DESCRIPTION

Elastobase V is a high quality Styrene-Butadiene-Styrene (SBS) modified bitumen roofing membrane reinforced with a high quality fiberglass mat which provides strength and excellent dimensional stability. The proprietary SBS compound offers quality waterproofing and weathering physical properties. Elastobase V is designed for use as a base ply layer in multi-layer low-slope assemblies.

The top and bottom surfaces are available in sand or factory applied burn-off film.

Elastobase V is intended for use as a base ply or interply membrane and designed to be installed in mechanically attached, hot asphalt, heat-welded, or as part of cold-applied system. When the top of membrane is surfaced with film, Elastobase V can be used as a base sheet in self-adhered systems.

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.
- 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)	121lbf/in (21.2 kN/m) - MD 102 lbf/in (17.9 kN/m) - XMD
Elongation at Peak Load at 0 °F (-18 °C):	D5147	1%	5% - MD 5% - XMD
Peak Load at 73 °F (23 °C):	D5147	30 lbf/in (5.3 kN/m)	78 lbf/in (13.7 kN/m) - MD 45 lbf/in (7.9 kN/m) - XMD
Elongation at Peak Load at 73 °F (23 °C):	D5147	2%	5% - MD 4% - XMD
Ultimate Elongation at 73 °F (23 °C):	D5147	3%	33% - MD 39% - XMD
Tear Strength at 73 °F (23 °C):	D5147	35 lbf (156 N)	150 lbf (667 N) - MD 79 lbf (351 N) - XMD
Low Temperature Flexibility (maximum):	D5147	0 °F (-18 °C)	PASS
Dimensional Stability, max %:	D5147	0.50%	0.1% - MD 0.1% - 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)..... 200 ft² (18.5 m²)
Weight (Approx) ..... 106 lb (48 kg)
Thickness (Nominal)..... 80 mils (2.0 mm)
Roll Size .....65'8" × 39⅜" (20 m × 1 m)
Rolls/Pallet.....20

**All values are nominal at time of manufacturing

APPLICABLE STANDARDS

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

PRODUCT CODES

- 7503106000 (Film/Film)
- 7503106001 (Film/Sand)
- 7503106002 (Sand/Sand)
- 7503106003 (Sand/Film)

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Edition Date: 10/26 • Doc# Elastobase V

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APPLICATION INSTRUCTIONS

Elastobase V is intended to be used as a base sheet or interply for new or re-roof applications. Elastobase V may be applied directly to non-combustible substrates. Elastobase 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 Elastobase V should not adversely affect the ventilation of existing construction.
- Do not apply directly to existing shingles or other unacceptable roof coverings.
- Bonded application of Elastobase V:
  1. Start at the low point of the roof.
  2. Unroll the material and allow to relax. Cut into preferred workable lengths.
  3. Install with a solid mopping of Type III or Type IV asphalt or with an application of PG 350 Mod Bit Adhesive.
  4. Position successive membranes providing a minimum 6" end lap and 3" side lap.
- 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

Polyglass U.S.A., Inc.
1111 West Newport Center Drive
Deerfield Beach, FL 33442
www.polyglass.us
General Line: (888) 410-1375
(954) 233-1330
Customer Service: (800) 222-9782
Technical Service: (866) 794-9659

Questions? technical@polyglass.com

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

This product is qualified for use as a component of a FORTIFIED-eligible roof system. Use of this product does not guarantee a FORTIFIED™ designation. To be eligible for a FORTIFIED designation, a complete roofing system (components and accessories) must meet the requirements detailed in the FORTIFIED Home™ Standard and be installed by a certified FORTIFIED Roofing Contractor. Products that are required to meet the standard include but may not be limited to: roof coverings, attic ventilation components, a qualified sealed roof deck system, roof underlayments, edge metal and appropriate fasteners for all mechanically fastened components. Documentation for all products and their installation is required. Additional requirements, eligibility criteria and restrictions apply. See the current FORTIFIED Home standard at https://fortifiedhome.org/technical-documents/ for details.

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