

ELASTOFLEX SA V FR

SELF-ADHERED SBS (ELASTOMERIC) ROOF MEMBRANE

PRODUCT DESCRIPTION

Elastoflex SA V FR is a self-adhered Styrene-Butadiene-Styrene (SBS) elastomeric base ply membrane, with fire-retardant additives, for use in low-slope roofing. Elastoflex SA V FR is manufactured using Polyglass' patented ADESO® Self-Adhered Dual-Compound Technology. With this technology, a "true" Styrene-Butadiene-Styrene (SBS) compound is applied to the top layer of the membrane and a proprietary, self-adhesive compound is applied to the bottom layer. Elastoflex SA V FR is constructed with a durable reinforced fiberglass mat to ensure strength and excellent dimensional stability.

Elastoflex SA V FR membrane is finished with film that has laylines on the top surface and a split release film on the bottom surface.

When used in conjunction with Elastoflex SA P FR or other approved Polyglass self-adhered cap sheets, Elastoflex SA V FR provides for a cleaner application, improves application speed and removes the need for torches, hot asphalt or bonding adhesives on the job site.

TYPICAL APPLICATIONS

- Standard new construction and re-roofing applications.
- Job sites with limited access for special installation equipment or where using a propane torch, hot asphalt or adhesives is undesirable.
- Base or interply for self-adhered and torch multi-ply systems.

FEATURES AND BENEFITS

- Proprietary self-adhered compound provides aggressive and long-term adhesion.
- Quick dry-in of building protects property.
- Application to multiple substrates and base plies.
- Top film surface allows torching or self-adhering approved cap sheets.

TECHNICAL DESCRIPTION*

Physical Properties	ASTM Method	ASTM Value
Peak Load at 0 °F (-18°C):	D5147	> 70 lbf/in (12.3 kN/m)
Elongation at Peak Load at 0°F (-18°C)	D5147	> 1%
Peak Load at 73°F (23°C)	D5147	> 30 lbf/in (5.3 kN/m)
Elongation at Peak Load at 73°F (23°C)	D5147	> 2%
Ultimate Elongation at 73°F (23°C)	D5147	> 3%
Tear Strength at 73°F (23°C)	D5147	> 35 lbf (156 N)
Dimensional Stability (maximum)	D5147	1%
Low Temperature Flexibility (maximum)	D5147	0°F (-18°C)
Compound Stability @ 215°F:	D5147	Pass/Fail
Adhesion to Plywood (min at 40°F)	D1970	2.0 lbf/ft
Adhesion to Plywood (min at 75°F)	D1970	12.0 lbf/ft
Waterproof integrity of lap seam	D1970	Pass/Fail
Waterproof Integrity after Low Temp Flexibility	D1970	Pass/Fail
Sealability around Nail	D1970	Pass/Fail
Thermal Stability	D1970	< 0.1 in
Moisture Vapor Permeance	D1970	0.1 perms

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



PRODUCT DATA**

Net Coverage (Approx) ...200 ft² (18.5 m²)
 Weight (Approx) 80 lbs (36.5 kg)
 Thickness (Nominal) 80 mils (2.0 mm)
 Roll Size 65'8" × 39 3/8" (20 m × 1 m)
 Rolls/Pallet.....25

**All values are nominal at time of manufacturing

APPLICABLE STANDARDS

- ASTM D1970; ASTM D6163, Type 1, Grade S
- UL Classified
- FM Approved
- ICC ESR-2018
- FORTIFIED Roof™ Compliant
- Florida Building Code
- Miami-Dade County Approved
- Texas Department of Insurance



PRODUCT CODES

- EFF20SAQ



www.polyglass.us

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APPLICATION INSTRUCTIONS

Elastoflex SA V FR is intended to be used as a base sheet or interply for new or re-roof low-slope applications when applied to suitable substrates for commercial and residential structures. Elastoflex SA V FR may also be applied directly to approved wood deck substrates. For additional substrate requirements and information refer to Polyglass published "Suitable Substrates for Self-Adhered (SA) Membranes."

- Apply Elastoflex SA V FR only in dry weather and when air and surface temperatures are 40°F (5°C) and rising.
- Apply over clean, dry, dust and debris-free substrates. Prime required substrates prior to application with PG 100 Fast-Drying Asphalt Primer, WB-3000 Water-Based primer or alternative ASTM D41 primers as approved by Polyglass.
- When re-roofing, remove all prior roofing materials down to a clean debris free substrate and properly close off all abandoned roof penetrations.
- Concrete or Steel decks shall be designed with proper expansion devices.
- Wood decks shall be properly supported by the structural framing.
- Ensure the installation of Elastoflex SA V FR does not prevent the ventilation of existing construction
- Do not apply directly to shingles or other granulated surface roof systems.
- While installing Elastoflex SA V FR:
 1. Start at the low point of the roof.
 2. Unroll the material and allow to relax.
 3. Start by removing the first 18–24" of release film.
 4. Press the membrane into place with firm and even pressure. Roll the edges with a silicone hand roller to ensure complete adhesion.
 5. Gradually remove the remaining release film applying pressure from the center to the edges as you go.
 6. Position successive rolls providing a minimum 6" end lap and 3" side lap. Laps can be sealed for additional water tightness with a hot air welder.
 7. Roll with an 75# split-face linoleum roller. Take care on sloped roofs by securing the roller and applicator with the appropriate safety equipment. Intermittent rolling is recommended.
- Details and flashing may be installed using Elastoflex SA V FR with a hot air welder or with PG 500 Roof Cement or Polyplus 50 premium modified wet/dry cement. 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.

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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