

# ELASTOFLEX SA V

## SELF-ADHERED SBS (ELASTOMERIC) ROOF MEMBRANE

### PRODUCT DESCRIPTION

Elastoflex SA V membrane is a premium, self-adhered elastomeric base ply roofing product, manufactured using patented ADESO® Dual-Compound Self-Adhered Technology, whereby a “true” Styrene-Butadiene-Styrene (SBS) modified asphalt compound is applied on the top layer and an aggressive self-adhesive compound is applied on the bottom layer. Elastoflex SA V membrane is built with a durable reinforced fiberglass mat to ensure excellent dimensional stability.

Elastoflex SA V membrane is finished with sand or polyolefin film with laylines on the top surface and a split release film on the bottom surface.

### TYPICAL APPLICATIONS

- Designed for applications where using a propane torch is undesirable or prohibited
- Applications include new construction, re-roofing, and BUR repair installation
- Base or interply for most multi-ply systems
- Base or interply for self-adhered, hot mopped, torch and cold adhesive systems

### FEATURES AND BENEFITS

- Excellent long-term adhesion and application to multiple substrates and base plies
- Exceptional physical properties and long-term weathering performance
- Low temp flexibility, puncture and tear resistant

### 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	-20°F (-29°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
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" x 39 3/8" (20 m x 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 for use in class A, B or C roofs, as listed the latest UL “Roofing Materials and Systems Directory”
- FM Approved
- ICC ESR-2018
- FORTIFIED Roof™ Compliant
- Florida Building Code
- Miami-Dade County Approved
- Texas Department of Insurance
- Materials Release 1320b (HUD)



### PRODUCT CODES

- EF20SAQ (Film/Film)
- EF20SASQ (Sand/Film)



[www.polyglass.us](http://www.polyglass.us)

# ELASTOFLEX SA V

## SELF-ADHERED SBS (ELASTOMERIC) ROOF MEMBRANE

### APPLICATION INSTRUCTIONS

Elastoflex SA V is intended to be used as a base sheet or interply for new or re-roof applications when applied to acceptable insulations and/or coverboards for commercial and residential structures. Elastoflex SA V may also be applied directly to approved wood deck substrates of non-occupied spaces such as carports, sheds, canopies, etc.

- Apply only when the weather and forecast is dry and the ambient air temperature and substrate is 40°F (5°C) and rising.
- 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 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 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:
  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 4" side lap. Laps can be sealed for additional water tightness with a hot air welder.
  7. Roll with a 75# split-face linoleum roller. Take care on sloped roofs by securing the roller and applicator with the appropriate safety equipment.
- Details and flashing may be installed using Elastoflex SA V with a hot air welder or with PG 500 Cement. Check project details for proper installation requirements.

### 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](http://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](mailto: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](http://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.

**POLYGLASS**



[www.polyglass.us](http://www.polyglass.us)