

# ELASTOFLEX SA BASE

## SELF-ADHERED SBS (ELASTOMERIC) ROOF MEMBRANE

### PRODUCT DESCRIPTION

Elastoflex SA Base membrane is a self-adhered, elastomeric base ply low-slope 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 Base membrane is built with a strong non-woven polyester mat to enhance tear strength and puncture resistance, providing a robust membrane that resists natural forces and other factors on the rooftop.

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

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

### 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

- Long-term adhesion directly to approved non-primed insulation, cover boards and wood decks\*
- Polyester mat enhances tear and puncture resistance
- Premium SBS compound provides enhanced long-term weathering performance
- Adhere approved SA cap/interply sheet directly to Elastoflex SA Base\*
- 90 day exposure time; serves as a reliable temporary roof\*

\*See suitable substrates Polyglass Technical Bulletin #2012-02

### 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]	174 lbf/in [30.5 kN/m] - MD 123 lbf/in [21.5 kN/m] - XMD
Elongation at Peak Load at 0°F [-18°C]	D5147	20%	58% - MD 64% - XMD
Peak Load at 73°F [23°C]	D5147	50 lbf/in [8.8 kN/m]	107 lbf/in [18.7 kN/m] - MD 82 lbf/in [14.4 kN/m] - XMD
Elongation at Peak Load at 73°F [23°C]	D5147	35%	65% - MD 77% - XMD
Ultimate Elongation at 73°F [23°C]	D5147	38%	74% - MD 84% - XMD
Tear Strength at 73°F [23°C]	D5147	55 lbf [246 N]	155 lbf [689 N] - MD 121 lbf [538 N] - XMD
Low Temperature Flexibility [maximum]	D5147	0°F [-18°C]	< 0°F [-18°C]
Dimensional Stability [maximum]	D5147	1%	0% - MD 0% - XMD
Compound Stability [minimum]	D5147	215°F [102°C]	pass
Moisture Vapor Permeance, max	ASTM E96	max 0.1 U.S. Perms [5.7 ng/Pa.S.M²]	pass

\*\*The properties in this table are “as manufactured” unless otherwise noted



### PRODUCT DATA\*\*\*

Net Coverage (Approx) ... 150 ft² (13.9 m²)  
 Weight (Approx) ..... 94.4 lbs (42.8 kg)  
 Thickness (Nominal) ..... 100 mils (2.5 mm)  
 Roll Size ..... 49'3" × 39 3/8" (15 m × 1 m)  
 Rolls/Pallet ..... 20 (boxed); 25 (wrapped)

\*\*\* All values are nominal at time of manufacturing

### APPLICABLE STANDARDS

- ASTM D6164, Type 1, Grade S
- UL Classified
- Florida Building Code
- Tested according to CSA A123.21 and CSA A123.23 Standard



### PRODUCT CODES

- EP25SACHD (box packaging)
- EP25SACHDQ (wrap packaging)



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### APPLICATION INSTRUCTIONS

Elastoflex SA Base is intended to be used as a base sheet or interply for new or re-roof low-slope applications when applied to acceptable insulations and/or coverboards for commercial structures. Elastoflex SA Base may also be applied directly to approved wood deck substrates of non-occupied spaces such as carports, sheds, canopies, etc. For additional substrate requirements and information refer to Polyglass published "Suitable Substrates for Self-Adhered (SA) Membranes."

- Apply Elastoflex SA Base membrane 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 or WVB-3000 Water-Based 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 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 Base does not prevent the ventilation of existing construction
- Do not apply directly to shingles or other granulated surface roof systems.
- While installing Elastoflex SA Base:
  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 80# split-face linoleum roller. Take care on sloped roofs by securing the roller and applicator with the appropriate safety equipment. Intermittent rolling is recommended to ensure complete contact to underlying surface.
  8. When addressing the field details of the seaming intersection treatment (cutting 45 degree at T-joints), additional care must be taken to ensure the required Polyglass detail is performed. Complete installation instructions can be found on packaging or by calling Polyglass Technical Services.

Details and flashing may be installed using Elastoflex SA Base with a hot air welder or with PG 500 Roof Cement or PolyPlus 50 Premium Modified Wet/Dry Cement. Use Polytack high-tack adhesive on challenging areas such as vertical surfaces. Check project details for proper installation requirements.

### 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.ca](http://www.polyglass.ca)

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