

# ELASTOFLEX SA BASE

## SELF-ADHERED SBS (ELASTOMERIC) BASE SHEET

### PRODUCT DESCRIPTION

Elastoflex SA Base membrane is a self-adhered, elastomeric base ply low-slope roofing product. Elastoflex SA Base is 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 a proprietary self-adhesive SBS compound is applied to the bottom. 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.

Elastoflex SA Base membrane is finished with a film with pre-printed laylines on the top surface and a split release film on the bottom surface.

Elastoflex SA Base can be used as part of a Polyglass warranted multi-ply system with Elastoflex SA P or other approved Polyglass cap sheet to provide cleaner application, improved 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.
- For use as a base or interply sheet with approved Polyglass roofing systems.
- Job sites with limited access for special installation equipment or where using a propane torch, hot asphalt or adhesives is undesirable.

### FEATURES AND BENEFITS

- Application directly to approved insulation, cover boards and wood decks without a primer\*\*
- Strong non-woven 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 without a primer\*
- Quick dry-in of building and up to 90 day exposure time\*

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

### APPLICATION INSTRUCTIONS

Elastoflex SA Base is intended to be used as a base/interply sheet in a multi-ply low slope roof system 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 5°C (40°F) 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 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 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.



### PRODUCT DATA\*\*

Net Coverage (Approx) ... 13.9 m<sup>2</sup> (150 ft<sup>2</sup>)  
Weight (Approx) ..... 44 kg (97 lbs)  
Thickness (Nominal) ..... 2.5 mm (100 mils)  
Roll Size ..... 15 m x 1 m (49'3" x 39'3/8")  
Rolls/Pallet ..... 25

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

### APPLICABLE STANDARDS

- ASTM D6164, Type 1, Grade S
- UL Classified
- Florida Building Code
- CSA A123.23-15, Type B, Grade 3



### PRODUCT CODES

- EP25SACHDQ



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- 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.
- 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 to ensure complete contact to underlying surface.
- 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. Check project details for proper installation requirements.

### TECHNICAL DESCRIPTION\*

Properties		CSA A123.23 Criteria Type B, Grade 3	Tested Value	
Thickness – mm (mils)		2.2 (85)	2.5 (100)	
Seldge thickness – mm (mils)		2.2 (85)	2.5 (100)	
Mass per unit area – kg/m <sup>2</sup> (lbs/100 ft <sup>2</sup> )		2.6 (53)	2.9 (58)	
Back surface coating thickness (only for heat-welded sheets), min. – mm (mils)		1.0 (40)	N/A	
Testing			Before Heat Conditioning	After Heat Conditioning
Strain energy (before and after heat conditioning), min. – kN/m (lbf/in)	At 23 ± 2°C (73.4 ± 3.6°F)	5.5 (3.1)	9.5 (54) - MD 8.6 (49) - XMD	11.9 (68) - MD 12.4 (71) - XMD
	At -18 ± 2°C (-4 ± 3.6°F)	3.0 (17)	13.1 (75) - MD 13.0 (74) - XMD	11.2 (64) - MD 11.0 (63) - XMD
Peak load (before and after heat conditioning), min. – kN/m (lbf/in)	At 23 ± 2°C (73.4 ± 3.6°F)	See Tested Value	20.7 (118) - MD 15.2 (87) - XMD	22.2 (127) - MD 15.8 (90) - XMD
	At -18 ± 2°C (-4 ± 3.6°F)	See Tested Value	27.3 (156) - MD 21.5 (123) - XMD	27.0 (154) - MD 22.1 (126) - XMD
Elongation at peak load (before and after heat conditioning), %	At 23 ± 2°C (73.4 ± 3.6°F)	See Tested Value	71 - MD 81 - XMD	50 - MD 57 - XMD
	At -18 ± 2°C (-4 ± 3.6°F)	See Tested Value	57 - MD 63 - XMD	49 - MD 52 - XMD
Ultimate elongation at 23 ± 2°C (before and after heat conditioning), %		See Tested Value	78 - MD 91 - XMD	55 - MD 62 - XMD
Dimensional stability, max., %		1	0.1 - MD 0.5 - XMD	
Low temperature flexibility (before and after heat conditioning), max. – °C (°F)		-18 (0)	Pass	
Compound stability, min. – °C (°F)		102 ( 215)	102 ( 215)	>102 (>215)
Resistance to puncture		Pass	Pass	

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

### 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.

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