

ELASTOFLEX SA BASE PLUS

SELF-ADHERED SBS (ELASTOMERIC) ROOF MEMBRANE

PRODUCT DESCRIPTION

Elastoflex SA Base Plus membrane is a self-adhered, elastomeric base membrane, manufactured using patented ADESO® dual-compound self-adhesive 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 Plus 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 Plus membrane is finished with polyolefin film having laylines on the top surface and a split release film on the bottom surface.

Elastoflex SA Base Plus can be used as a base sheet in “Stick 1–Torch 1” applications where the cap sheet is heat welded. Polyglass offers a variety of compatible torch cap sheets, such as Elastoflex S6 G and Elastoflex S6 G HP, and self-adhered options such as Elastoflex SA P.

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 Plus*
- 90 day exposure time; serves as a reliable temporary roof*

*See suitable substrates Polyglass Technical Bulletin #2012-02

APPLICATION INSTRUCTIONS

Elastoflex SA Base Plus 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 Plus 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 Plus 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 WB-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 Plus 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 Plus:
 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.



PRODUCT DATA**

Net Coverage (Approx) ... 9.29 m² (100 ft²)
Weight (Approx) 36 kg (80 lbs)
Thickness (Nominal) 3.0 mm (118 mils)
Roll Size 10 m × 1 m (32'10" × 39 3/8")
Rolls/Pallet.....25

**All values are nominal at time of manufacturing

APPLICABLE STANDARDS

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



PRODUCT CODES

- EP30SACPLQ

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- 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.
- 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 Plus 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.

TECHNICAL DESCRIPTION*

Properties		CSA A123.23 Criteria Type B, Grade 3		Tested Value	
Thickness – mm (mils)		2.2 (85)		3.0 (120)	
Seldedge thickness – mm (mils)		2.2 (85)		3.0 (120)	
Mass per unit area – kg/m ² (lbs/100 ft ²)		2.6 (53)		3.6 (74)	
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)	10.3 (59) - MD 6.8 (39) - XMD	6.7 (38) - MD 5.8 (33) - XMD	
	At -18 ± 2°C (-4 ± 3.6°F)	3.0 (17)	8.8 (50) - MD 6.8(39) - XMD	8.4 (48) - MD 5.6 (32) - 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	18.6 (106) - MD 10.5 (60) - XMD	17.9 (102) - MD 12.1 (69) - XMD	
	At -18 ± 2°C (-4 ± 3.6°F)	See Tested Value	29.3 (141) - MD 16.5 (79.5) - XMD	25.4 (140) - MD 1 6.8 (96) - XMD	
Elongation at peak load (before and after heat conditioning), %	At 23 ± 2°C (73.4 ± 3.6°F)	See Tested Value	71 - MD 87 - XMD	47 - MD 56 - XMD	
	At -18 ± 2°C (-4 ± 3.6°F)	See Tested Value	38 - MD 47 - XMD	44 - MD 40 - XMD	
Ultimate elongation at 23 ± 2°C (before and after heat conditioning), %		See Tested Value	74 - MD 87 - XMD	49 - MD 51 - 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.

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



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