

ELASTOFLEX® SA BASE HD

SELF-ADHERED SBS ROOF MEMBRANE

PRODUCT DESCRIPTION

Elastoflex® SA Base HD membrane is a premium, 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 HD membrane has a high performance reinforced polyester mat to enhance puncture resistance and dimensional stability.

Elastoflex SA Base HD membrane is finished with polyolefin film having laylines on the top surface and a split release film on the bottom surface.

TYPICAL APPLICATIONS

- Applications include new construction, re-roofing, and BUR repair installation
- Use as a base field membrane in self-adhered, hot mopped, torch and cold adhesive systems
- Use as an enhanced flashing reinforcement adding strength and dimensional stability to the critical flashing areas
- Designed for applications where using a propane torch is undesirable or prohibited

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

TEST METHOD	PROPERTY	ASTM VALUE
ASTM D5147	Maximum Load @ 23+/-2°C (73.4+/-3.6°F), MD and XMD, min, kN/m (lbf/in.)	4.4 (25)
ASTM D5147	Elongation at break 23+/-2°C (73.4+/-3.6°F), MD and XMD, min (%)	10%
ASTM D5147	Adhesion to Plywood, min at 40°F, lbf/ft width	2.0
ASTM D5147	Adhesion to Plywood, min at 75°F, lbf/ft width	12.0
ASTM D5147	Tear resistance N(lbf)	89 (20)
ASTM D5147	Sealability around nail	pass
ASTM D5147	Waterproof integrity after low temp flexibility	pass
ASTM D5147	Waterproof integrity of lap seam	pass
ASTM D5147	Slip Resistance	pass



PRODUCT DATA

Coverage (Approx).....	161 sq ft
Weight (Approx)	96 lbs
Thickness (Nominal).....	2.5 mm; 100 mils
Roll Size	1.5m x 1m (49.2' x 39.4")
Rolls/Pallet.....	20

APPLICABLE STANDARDS

- ASTM D1970
- UL Classified for use in class A, B or C roofs, as listed in the latest UL “Roofing Materials and Systems Directory”



PRODUCT WARRANTY

Polyglass U.S.A., Inc. commercial roofing membranes can be backed with a manufacturer’s warranty for up to 20 years when used as part of an approved, multi-ply roofing system. Please see your Polyglass U.S.A., Inc. Sales or Technical Representative for specifications and details.



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APPLICATION INSTRUCTIONS

Elastoflex SA Base HD is intended to be used as a high performance membrane flashing material, however can be used as a field membrane if desired for new or re-roof applications when applied to acceptable insulations and/or coverboards for commercial and residential structures. Elastoflex SA Base HD 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 5°C (40°F) and rising.
- Apply over clean, dry, dust and debris free substrates. Prime concrete decks prior to application with PG 100 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 Base HD 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 HD:
 1. Start at the low point of the roof.
 2. Unroll the material and allow to relax.
 3. Start by removing the first 46–61 cm (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 15cm (6") end lap and 10cm (4") 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.
- Details and flashing may be installed using Elastoflex SA Base HD with a hot air welder or with PG 500 Roof Cement. Check project details for proper installation requirements.

POLYGLASS U.S.A., INC. MANUFACTURING FACILITIES

- Fernley, NV
- Hazleton, PA
- Phoenix, AZ
- 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

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