

ELASTOBASE® SA

SELF-ADHERED SBS (ELASTOMERIC) ROOF MEMBRANE

PRODUCT DESCRIPTION

Elastobase SA 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. Elastobase SA membrane is built with a reinforced fiberglass mat which provides strength and excellent dimensional stability.

Elastobase SA is designed to be used as a base sheet in “Stick 1–Torch 1” applications where the cap sheet is heat welded. Elastobase SA is also approved for use in a full self-adhered system. Polyglass offers a variety of compatible APP and SBS torch and self-adhered cap sheets.

Elastobase SA membrane is finished with a film top surface and a split release film on the bottom surface.

TYPICAL APPLICATIONS

- Residential or light commercial low-slope roofing.
- Standard new construction and re-roofing applications.
- Job sites where fast dry-in of project is important.
- Base ply for 2-ply systems where cap sheet is torched or self-adhered.

FEATURES AND BENEFITS

- Excellent adhesion and application to multiple substrates.
- Quick dry-in of your building.
- Split release film for quick installation.

TECHNICAL DESCRIPTION*

Physical Properties	ASTM Method	ASTM Value
Maximum Load, min	D1970	35 lbf/in (4.4 kN/m)
Tear Resistance, min	D1970	20 lbf (89 N)
Thermal Stability, max	D1970	0.1 in (3 mm)
Adhesion to Plywood (min at 40°F)	D1970	2.0 lbf/ft (0.92 kgf/30.5 cm)
Adhesion to Plywood (min at 75°F)	D1970	12.0 lbf/ft (5.44 kgf/30.5 cm)
Waterproof integrity of Lap Seam	D1970	pass
Flexibility at -29°C (-20°F)	D1970	pass
Sealability around Nail	D1970	pass
Moisture Vapor Permeance, max 0.1 U.S. Perms (5.7 ng/Pa.S.M²)	E96	pass

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

APPLICATION INSTRUCTIONS

Elastobase SA is intended to be used as a base sheet for multiply systems where cap sheet is torched or self-adhered, in new or re-roof low-slope applications, when applied to acceptable insulations and/or coverboards for light commercial and residential structures. Elastobase SA 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.”



PRODUCT DATA**

Coverage (Approx).....200 ft² (18.5 m²)
 Weight (Approx) 86 lbs (39 kg)
 Thickness (Nominal)..... 65 mils (1.65 mm)
 Roll Size 65'8" × 39 3/8" (20 m × 1 m)
 Rolls/Pallet..... 25

**All values are nominal at time of manufacturing

APPLICABLE STANDARDS

- ASTM D1970; ASTM D4601, Type II
- UL Classified
- Florida Building Code



PRODUCT CODES

- EB15SA (Film/Film)



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- Apply Elastobase SA 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. When fully bonding, prime concrete deck and required substrates, prior to application with PG 100 Fast-Drying Asphalt Primer, Polytack, or applicable ASTM D-41 asphalt 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 Elastobase SA does not prevent the ventilation of existing construction
- Do not apply directly to shingles or other granulated surface roof systems.
- While installing Elastobase SA:
 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 a 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.

Details and flashing may be installed using Elastobase SA with a hot air welder. Check project details for proper installation requirements.

- For detailed drawings and recommended installation procedures of typical roof segments, such as drip edge and T-joint conditions, please refer to our website at, www.polyglass.us.

MANUFACTURING FACILITIES

- Fernley, NV
- Hazleton, PA
- Waco, TX
- Winter Haven, F

CORPORATE HEADQUARTERS

Polyglass U.S.A., Inc.
1111 West Newport Center Drive
Deerfield Beach, FL 33442
www.polyglass.us

General Line: (888) 410-1375
(954) 233-1330
Customer Service: (800) 222-9782
Technical Service: (866) 802-8017

Questions? 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



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