

ELASTOFLEX S6

SBS INTERPLY/BASE MEMBRANE - 3.0 MM

PRODUCT DESCRIPTION

Elastoflex S6 is a smooth surface Styrene-Butadiene-Styrene (SBS) modified bitumen roofing membrane reinforced with a polyester mat saturated with a rubberized asphaltic compound. The non-woven reinforcement provides superior tear strength and puncture resistance.

Elastoflex S6 is designed for use as a base ply or interply layer in multi-layer low-slope assemblies. Elastoflex S6 is available in a film or sand top surface and a film or sand bottom surface.

Application methods include heat welding, when a film bottom surface is selected, and hot asphalt or cold adhesive when the membrane is sand backed. When a top surface film configuration is selected, successive system layers can be heat welded with an additional ply of Elastoflex S6, Elastoflex S6 G or other Polyglass SBS cap sheet. A top film configuration also allows for the application of a variety of Polyglass SBS or APP self-adhered cap sheets.

Elastoflex S6 is an approved mechanically attached base sheet for the Velociflex system.

TYPICAL APPLICATIONS

- Use as a base or interply membrane in multi-ply low-slope roofing assemblies.
- New roofing, re-roofing or re-cover roof systems and flashing details.
- Heat welding, hot asphalt, and cold process installation methods.
- In-seam attached base sheet as part of the Velociflex system.

FEATURES AND BENEFITS

- High quality SBS compound for exceptional long-term weathering performance.
- Polyester reinforcement provides superior puncture and tear resistance.
- Flexibility and dimensional stability

TECHNICAL DESCRIPTION*

Physical Properties	ASTM Method	ASTM Value	Typical Performance
Peak Load at 73°F (23°C)	D5147	50 lbf/in (8.8 kN/m)	110 lbf/in (19 kN/m) MD 68 lbf/in (12 kN/m) XMD
Peak Load at 0°F (-18°C)	D5147	70 lbf/in (12.3 kN/m)	118 lbf/in (21 kN/m) MD 76 lbf/in (13 kN/m) XMD
Elongation at Peak Load at 73°F (23°C)	D5147	35%	53% - MD 58% - XMD
Elongation at Peak Load at 0°F (-18°C)	D5147	20%	52% - MD 58% - XMD
Ultimate Elongation at 73°F (23°C)	D5147	38%	69% - MD 102% - XMD
Tear Strength at 73°F (23°C)	D5147	55 lbf (246 N)	96 lbf (427 N) - MD 70 lbf (311 N) - XMD
Low Temperature Flexibility, maximum	D5147	0°F (-18°C)	Pass
Dimensional Stability, maximum	D5147	1%	0%
Compound Stability, failed/no failures	D5147	215°F (102°C)	no failures

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



PRODUCT DATA**

Net Coverage (Approx).... 100 ft² (9.3 m²)
 Weight (Approx) 80 lbs (36 kg)
 Thickness (Nominal) 118 mils (3.0 mm)
 Roll Size 32'10" x 39 3/8" (10 m x 1 m)
 Rolls/Pallet.....25

**All values are nominal at time of manufacturing

APPLICABLE STANDARDS

- ASTM D6164, Type I, Grade S
- UL Classified
- FM Approved
- ICC ESR-2018
- Florida Building Code
- Miami-Dade County Approved
- Texas Department of Insurance
- Materials Release 1320d (HUD)



PRODUCT CODES

- EP3OPP (Film/Film)
- EP3OSP (Sand/Film)
- EP3OSS (Sand/Sand)

POLYGLASS



www.polyglass.us

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APPLICATION INSTRUCTIONS

Elastoflex S6 is intended to be used as a base sheet or interply in new construction, re-roof, or roof recover applications. Elastoflex S6 must be covered by an approved surfacing layer to complete the roofing system.

- Apply over clean, dry, dust and debris-free substrates. Bonding the membrane to concrete or similar substrates requires surface priming with PG 100 Fast-Drying Asphalt Primer, Polytack CA Primer, or another primer as approved by Polyglass.
- In recover applications, all existing wall, curb, and other vertical flashings must be removed.
- Ensure the installation of Elastoflex S6 does not adversely impact the ventilation.
- Do not install over an existing granulated surface.

MEMBRANE INSTALLATION

While installing Elastoflex S6:

1. Start at the low point of the roof.
 2. Unroll the material and allow it to relax, then re-roll the membrane once it is relaxed.
 3. Application Methods:
 - a. Mechanically attached applications to use Polyglass-approved fasteners at a rate per project conditions/local jurisdiction.
 - b. Hot mop applications require Type III or Type IV asphalt applied within the specified EVT range, at a rate of 20 – 40 lbs per square.
 - c. Polyglass cold adhesive applications are applied at a rate of approximately 1.5 – 2 gallons per square when applied to smooth to semi-smooth surfaces. Coverage rate may vary depending on ambient temperature, surface porosity, as well as applicator and/or application technique.
 - d. Heat-welded applications should follow traditional torch roofing methods, ensuring the membrane is properly heated. The burn-off film must be fully activated to create a continuous, uniform layer of asphalt. Special attention should be given to achieving a secure bond at all side laps.
 4. Position successive rolls providing a minimum 6" end lap and 3" side lap. Asphalt bleed-out for applicable applications shall be 1/4" to 3/8" on all seams.
 5. It is recommended to install 45-degree cuts, also known as "dog ears," at all end laps to promote smooth transitions and reduce the risk of membrane bridging or fishmouths.
- Check project details for proper installation requirements.
 - For detailed drawings, please refer to: <https://polyglass.us/documentation-type/detaildrawings/>
 - For more installation guidelines, please refer to: <https://polyglass.us/technical-guide/>

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 the Safety Data Sheet (SDS) for the referenced product, which provides comprehensive information on chemical, physical, and health hazards, as well as guidance on safe handling, use, storage, and disposal. 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 control. For the most current product data and warranty information, visit www.polyglass.us

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