

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. Membrane 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]	99 lbf/in [17 kN/m] MD 60 lbf/in [11 kN/m] XMD
Peak Load at 0°F [-18°C]	D5147	70 lbf/in [12.3 kN/m]	122 lbf/in [21 kN/m] MD 92 lbf/in [16 kN/m] XMD
Elongation at Peak Load at 73°F [23°C]	D5147	35%	47% MD 53% XMD
Elongation at Peak Load at 0°F [-18°C]	D5147	20%	43% MD 46% XMD
Ultimate Elongation at 73°F [23°C]	D5147	38%	53% MD 85% XMD
Tear Strength at 73°F [23°C]	D5147	55 lbf [246 N]	124 lbf [552 N] MD 98 lbf [436 N] XMD
Low Temperature Flexibility, maximum	D5147	0°F [-18°C]	Pass
Dimensional Stability, maximum	D5147	1%	0.7%
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)



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APPLICATION INSTRUCTIONS

Elastoflex S6 is intended to be used as a base sheet or interply in new or re-roof applications. Elastoflex S6 may be adhered directly to non-combustible substrates. Polyglass requires the installation of a compatible surfacing or cap sheet on top of Elastoflex S6 to complete the roofing system.

- Apply over clean, dry, dust and debris-free substrates. When fully bonding, prime concrete decks and required substrates, prior to application with PG 100 Fast-Drying Asphalt Primer or applicable ASTM D-41 asphalt primer.
- When re-roofing, remove all prior roofing materials down to a clean debris-free substrate and properly remove all abandoned roof penetrations.
- Concrete or steel decks shall be designed with proper expansion devices.
- Wood decks shall have all joints blocked and properly supported.
- Ensure the fire rating of the assembly over any substrate.
- Ensure the installation of Elastoflex S6 does not prevent the ventilation of existing construction.
- Do not apply directly over shingles or existing membrane roofing.
- While installing Elastoflex S6 in torch configuration:
 1. Start at the low point of the roof.
 2. Unroll the material and allow to relax.
 3. Install with traditional torch roofing techniques ensuring proper heating of the roofing material as not to expose the reinforcement.
 4. Do not heat the substrate.
 5. Position successive rolls providing a minimum 6" end lap and 3" side lap. Asphalt bleed out shall be 1/4" to 3/8" on all seams.
 6. Laps shall be rolled with a 6" roller immediately after heat welding.
- Details and flashing may be installed using torch techniques, hot asphalt, or cold application. Check project details for proper installation requirements.

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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