

# ELASTOFLEX S6 HP (250)

## SBS (ELASTOMERIC) BASE/INTERPLY SHEET

### PRODUCT DESCRIPTION

Elastoflex S6 HP 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 HP is designed for use as a base ply or interply layer in low-slope assemblies, and 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 HP, Elastoflex S6 G HP, 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 HP 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.
- Mechanically attached, 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.
- High performance 250 gram polyester reinforcement provides exceptional puncture and tear resistance.
- Flexibility and dimensional stability.

### TECHNICAL DESCRIPTION\*

Physical Properties	CSA A123.23-15, Type B, Grade 3	Typical Performance
Strain Energy @-18°C – kN/m (lbf/in), Min	3.0 kN/m (17 lbf/in)	11.9 (68) - MD 9.6 (55) - XMD
Strain Energy @23°C – kN/m (lbf/in) before heat cond, Min"	5.5 kN/m (31 lbf/in)	11.7 (67) - MD 7.2 (41) - XMD
Peak Load at -18°C (0°F) - kN/m (lbf/in), Min	Report Value**	28.9 (165) - MD 19.1 (109) - XMD
Elongation at Peak Load at -18°C (0°F) - (%), Min	Report Value**	46 - MD 61 - XMD
Peak Load at 23°C (73°F) - kN/m (lbf/in), Min	Report Value**	18.6 (106) - MD 12.4 (71) - XMD
Elongation at Peak Load at 23°C (73°F) - (%), Min	Report Value**	71 - MD 70 - XMD
Ultimate Elongation at 23°C (73°F) - (%) before heat cond, Min"	Report Value**	92 - MD 107 - XMD
Low Temperature Flexibility* – °C (°F), Max	-18 (-4)	Pass
Dimensional Stability (%), Max	1.0	0.2 - MD 0.3 - XMD
Compound Stability – °C (°F), Min	102 (205)	Pass
Resistance to Puncture – Pass/Fail	Pass	Pass

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

\*\*Report Value: Shall be reported but has no minimum value

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### PRODUCT DATA\*\*

Net Coverage (Approx) .....	9.3 m <sup>2</sup> (100 ft <sup>2</sup> )
Weight (Approx) .....	36 kg (80 lbs)
Thickness (Nominal) .....	3.0 mm (118 mils)
Roll Size .....	10 m x 1 m (32'10" x 39 3/8")
Rolls/Pallet .....	25

\*\*All values are nominal at time of manufacturing

### APPLICABLE STANDARDS

- ASTM D6164, Type II, Grade S
- UL Classified
- FM Approved
- ICC ESR-2018
- Florida Building Code
- Miami-Dade County Approved
- Texas Department of Insurance
- CSA A123.23-15, Type B, Grade 3



### PRODUCT CODES

- EPH3OSP (Sand/Film)
- EPH3OSS (Sand/Sand)
- EPH3OPP (Film/Film)

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### APPLICATION INSTRUCTIONS

Elastoflex S6 HP is intended to be used as a base sheet or interply in new or re-roof applications. Elastoflex S6 HP may be adhered directly to non-combustible substrates. Polyglass requires the installation of a compatible surfacing or cap sheet on top of Elastoflex S6 HP 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 alternative ASTM D41 primers as approved by Polyglass.

- 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 have all joints blocked and properly supported.
- Ensure the fire rating of the assembly over any combustible substrate.
- Ensure the installation of Elastoflex S6 HP does not prevent the ventilation of existing construction.
- Do not apply over shingles or any granulated surface"
- While installing Elastoflex S6 HP:
  1. Start at the low point of the roof.
  2. Unroll the material and allow to relax then re-roll the membrane once relaxed.
  3. In bonded applications, install with a solid mopping of Type III or Type IV asphalt or with PG 350 Mod Bit Adhesive.
  4. In heat welding applications ensure proper heating of the roofing material as not to expose the reinforcement. Do not heat the substrate. Asphalt bleed out shall be ¼" to ⅜" on all seams.
  5. Position successive rolls providing a minimum 6" end lap and 3" side lap.
- Details and flashing may be installed using hot asphalt or cold application techniques. 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.ca](http://www.polyglass.ca)

### 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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