

# ELASTOFLEX S6 G HP FR

## SBS (ELASTOMERIC) GRANULATED CAP SHEET - TYPE II

### PRODUCT DESCRIPTION

Elastoflex S6 G HP FR is a superior SBS (Styrene-Butadiene-Styrene) modified bitumen roofing membrane with fire retardant additives reinforced with a high performance non-woven 250 gram polyester reinforcement that provides flexibility and dimensional stability as well as excellent tear and puncture resistance. The proprietary SBS compound offers superb waterproofing and weathering physical properties. Elastoflex S6 G HP FR is designed for use as cap sheet in multilayer low-slope assemblies.

Elastoflex S6 G HP FR has a granular top surface in multiple color options and a sand or burn-off film 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.

Elastoflex S6 G HP FR membrane can be used as part of a Polyglass warranted multi-ply system, when combined with Elastoflex S6 base or interply sheets or other approved Polyglass base sheets.



### TYPICAL APPLICATIONS

- Superior cap sheet for multi-ply systems.
- New roofing, re-roofing and re-cover roofing and flashing details.
- Designed for hot asphalt, cold process or heat-welded installation methods.

### 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	ASTM Method	ASTM Value	Typical Performance
Bottom Side Coating (minimum)	D5147	40 mils (1.0 mm)	40 mils (1.0 mm)
Peak Load at 73°F (23°C)	D5147	70 lbf/in (12.3 kN/m)	106 lbf/in (18.6 kN/m) - MD 71 lbf/in (12.4 kN/m) - XMD
Peak Load at 0°F (-18°C)	D5147	100 lbf/in (17.5 kN/m)	165 lbf/in (28.9 kN/m) - MD 109 lbf/in (19.1 kN/m) - XMD
Elongation at Peak Load at 73°F (23°C)	D5147	50%	71% - MD 70% - XMD
Elongation at Peak Load at 0°F (-18°C)	D5147	20%	46% - MD 61% - XMD
Ultimate Elongation at 73°F (23°C)	D5147	60%	92% - MD 107% - XMD
Tear Strength at 73°F (23°C)	D5147	70 lbf (311 N)	167 lbf (743 N) - MD 112 lbf (498 N) XMD
Low Temperature Flexibility, maximum	D5147	0°F (-18°C)	PASS
Dimensional Stability, maximum	D5147	1%	0% - MD 0% - XMD
Compound Stability, failed/no failures	D5147	215°F (102°C)	PASS
Granule Embedment (maximum loss)	D5147	2 g	1.3 g

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

### AVAILABLE COLORS

Top surface granule protection is available in a variety of colors such as:  
Black (BL)                      Buff (BU)                      White (WH)



### PRODUCT DATA\*\*

Net Coverage (Approx) ..... 100 ft<sup>2</sup> (9.3 m<sup>2</sup>)  
Weight (Approx) ..... 106 lbs (48 kg)  
Thickness (Nominal) ..... 160 mils (4.0 mm)  
Roll Size ..... 32'10" x 39 3/8" (10 m x 1 m)  
Rolls/Pallet..... 20

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

### APPLICABLE STANDARDS

- ASTM D6164, Type II, Grade G
- UL Classified
- FM Approved



### PRODUCT CODES

- EPHF40##P (Granule/Film)
- EPHF40##S (Granule/Sand)

##denotes color code - see Available Colors

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### APPLICATION INSTRUCTIONS

Elastoflex S6 G HP FR is designed to serve as the primary weathering surface in new construction, re-roof, or roof recover applications. To be installed as a top layer of a roof system over a compatible Polyglass base, interply membrane, or other approved substrate.

- 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, 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 G HP FR does not adversely impact the ventilation.
- Do not apply over any existing granulated surface

### MEMBRANE INSTALLATION

When installing Elastoflex S6 G HP FR:

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. 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.
    - b. 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.
    - c. 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 ¼" to ⅜" on all seams. Matching loose granules may be sprinkled onto the bleed-out.
  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 5 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.

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