

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 ft² (9.3 m²)
 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



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 intended to be used as the primary weathering surface in new or re-roof applications. Elastoflex S6 G HP FR is to be applied as the uppermost layer of a multi-ply roof system applied over a compatible Polyglass base or interply membrane. Elastoflex S6 G HP FR may be applied directly to certain non-combustible substrates.

- Apply over clean, dry, dust and debris-free substrates. Prime concrete decks and required substrates prior to application with PG 100 Fast-Drying 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 have all joints blocked and properly supported.
- Ensure the fire rating of the assembly over any combustible substrate.
- Ensure the installation of Elastoflex S6 G HP FR does not prevent the ventilation of existing construction.
- Do not apply over shingles or any granulated surface.
- While installing Elastoflex S6 G HP FR:
 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. Install in a solid mopping of Type III or Type IV asphalt, PG 350 Mod Bit Adhesive, or fully torch the burnoff film creating a pool of asphalt. Pay close attention to the sidelap.
 4. 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.
 5. Matching loose granules may be sprinkled onto the bleed out.
- 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.us

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 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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