

ELASTOFLEX S6 G FR

SBS (ELASTOMERIC) GRANULATED CAP SHEET

PRODUCT DESCRIPTION

Elastoflex S6 G FR is a superior SBS (Styrene-Butadiene-Styrene) modified bitumen roofing membrane with fire retardant additives, and reinforced with a non-woven 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 FR is designed for use as cap sheet in multi-layer low-slope assemblies.

Elastoflex S6 G 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 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

- Use as a cap ply for multi-ply systems.
- New roofing, re-roofing and re-cover roofing and flashing details.
- Hot asphalt, cold process or heat-welded installation methods.

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
Bottom Side Coating (minimum)	D5147	40 mils (1.0 mm)	41 mils (1.0 mm)
Peak Load at 0°F (-18°C)	D5147	70 lbf/in (12.3 kN/m)	140 lbf/in (24.5 kN/m) - MD 93 lbf/in (16.3 kN/m) - XMD
Elongation at Peak Load at 0°F (-18°C)	D5147	20%	50% - MD 62% - XMD
Peak Load at 73°F (23°C)	D5147	50 lbf/in (8.8 kN/m)	95 lbf/in (16.6 kN/m) - MD 57 lbf/in (10.0 kN/m) - XMD
Elongation at Peak Load at 73°F (23°C)	D5147	35%	52% - MD 63% - XMD
Ultimate Elongation at 73°F (23°C)	D5147	38%	66% - MD 88% - XMD
Tear Strength at 73°F (23°C)	D5147	55 lbf (246 N)	159 lbf (707 N) - MD 87 lbf (387 N) - XMD
Low Temperature Flexibility (maximum)	D5147	0°F (-18°C)	Pass
Dimensional Stability (maximum)	D5153	1%	0% - MD 0% - XMD
Compound Stability (minimum) at 215°F (102°C)	D5147	Pass/Fail	Pass
Granule Embedment (maximum loss)	D5147	2 g	1 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)	Chestnut (CH)	Grey Slate (SL)
Oak (OA)	White (WH)	Red Blend (RB)	Pine Green (PG)
Heather Blend (HB)	Weatherwood (WW)	Bright White (BW)	



PRODUCT DATA**

Net Coverage (Approx) 100 ft² (9.3 m²)
 Weight (Approx) 102 lbs (46 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 I, Grade G
- UL Classified
- FM Approved
- ICC ESR-2018
- Texas Department of Insurance
- Florida Building Code
- Miami-Dade County Approved



PRODUCT CODES


- EPF40##P (Granule/Film)
 - EPF40##S (Granule/Sand)
- ##denotes color code - see Available Colors

POLYGLASS
 MAPEI GROUP
www.polyglass.us

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SBS (ELASTOMERIC) GRANULATED CAP SHEET

Bright White (BW) Cap Sheets Only

 RAPID RATINGS	Rated Product ID #: 0616-0047		
		Initial	Aged
	Solar Reflectance	0.69	0.62*
	Thermal Emittance	0.92	0.93*
The ratings above are subject to CRRC rating program conditions, requirements, and limitations. Visit coolroofs.org for important information and disclaimers about CRRC rating conditions, requirements, and limitations.			
*CRRC Rapid Ratings: Interim laboratory-aged values that simulate naturally-aged values and will be replaced by the measured three-year naturally-aged values upon completion of the weathering process.			

Solar Reflectance Index (SRI) – Initial: 85 • Aged: 76*

APPLICATION INSTRUCTIONS

Elastoflex S6 G FR is intended to be used as the primary weathering surface in new or re-roof applications. Elastoflex S6 G 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 FR may be applied directly to certain approved 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 or applicable ASTM D-41 primer as approved by Polyglass Technical.
- 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 FR does not prevent the ventilation of existing construction.
- Do not apply over shingles or any granulated surface.
- While installing Elastoflex S6 G 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

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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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