

# ELASTOFLEX V G FR

## SBS (ELASTOMERIC) GRANULATED CAP SHEET

### PRODUCT DESCRIPTION

Elastoflex V G FR is an SBS (elastomeric) modified bitumen low-slope roofing membrane cap sheet with granulated top surface and fire retardant additives. This durable membrane is reinforced with a high quality fiberglass mat to ensure strength and excellent dimensional stability to the product. The proprietary SBS compound offers superior waterproofing and weathering physical properties.

Elastoflex V G FR has a granular top surface 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 V G FR membrane can be used as part of a Polyglass warranted multi-ply system, when combined with Elastoflex V 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 and cold process installation methods.

### FEATURES AND BENEFITS

- High quality SBS compound for exceptional long-term weathering performance.
- Fiberglass mat enhances strength and dimensional stability.

### TECHNICAL DESCRIPTION\*

Physical Properties	ASTM Method	ASTM Value	Typical Performance
Peak Load at 0°F [-18°C]	D5147	70 lbf/in [12.3 kN/m]	145 lbf/in [25.4 kN/m] - MD 97 lbf/in [17.0 kN/m] - XMD
Elongation at Peak Load at 0°F [-18°C]	D5147	1%	6.0% - MD 5.0% - XMD
Peak Load at 73°F [23°C]	D5147	30 lbf/in [5.3 kN/m]	82.0 lbf/in [14.4 kN/m] - MD 50.0 lbf/in [8.8 kN/m] - XMD
Elongation at Peak Load at 73°F [23°C]	D5147	2%	5.0% - MD 4.4% - XMD
Ultimate Elongation at 73°F [23°C]	D5147	3%	40% - MD 57% - XMD
Tear Strength at 73°F [23°C]	D5147	35 lbf [156 N]	112 lbf [498 N] - MD 101 lbf [449 N] - XMD
Low Temperature Flexibility [maximum]	D5147	0°F [-18°C]	PASS
Dimensional Stability, max %	D5147	0.50%	0.1% - MD 0.1% - XMD
Compound Stability [pass/fail]	D5147	215°F [102°C]	PASS
Granule Embedment [maximum loss]	D5147	2 g	1.9 g

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

### AVAILABLE COLORS

Black (BL)                      Buff (BU)                      White (WH)



### PRODUCT DATA\*\*

Net Coverage (Approx).... 100 ft<sup>2</sup> (9.3 m<sup>2</sup>)  
 Weight (Approx) ..... 90 lbs (41 kg)  
 Thickness (Nominal) ..... 140 mils (3.5 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 D6163, Type I, Grade G
- UL Classified
- FM Approved
- ICC ESR-2018
- Florida Building Code
- Miami-Dade County Approved
- Texas Department of Insurance



### PRODUCT CODES

- EFF35##S (Granule/Sand)
  - EFF35##P (Granule/Film)
- ##denotes color code - see Available Colors

**POLYGLASS**



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### APPLICATION INSTRUCTIONS

Elastoflex V G FR is intended to be used as the primary weathering surface in new or re-roof applications. Elastoflex V 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 V G 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 V G FR does not prevent the ventilation of existing construction.
- Do not apply over shingles or any granulated surface.
- While installing Elastoflex V 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.
  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.

### 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](http://www.polyglass.us)

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