ELASTOFLEX V G HP FR

SBS (ELASTOMERIC) GRANULATED CAP SHEET - TYPE II

PRODUCT DESCRIPTION

Elastoflex V G HP FR is an SBS (elastomeric) modified bitumen membrane, with fire retardant additives, for use as a granulated cap sheet in low-slope roofing. This durable membrane is reinforced with a high performance fiberglass mat which ensures exceptional strength and dimensional stability to the product. The proprietary SBS compound offers superior waterproofing and weathering physical properties. Membrane is configured with a burn-off film for heat welded applications.

Elastoflex V G HP FR membrane can be used as part of a Polyglass warranted multi-ply system, when combined with Elastoflex V HP 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.
- Heat-welded installation method.

FEATURES AND BENEFITS

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

TECHNICAL DESCRIPTION*

Physical Properties	ASTM Method	ASTM Value	Typical Performance
Peak Load at 73°F [23°C]	D5147	80 lbf/in [14.0 kN/m]	110 lbf/in [19.3 kN/m] MD 85 lbf/in [14.9 kN/m] XMD
Peak Load at 0°F [-18°C]	D5147	150 lbf/in [26.25 kN/m]	195 lbf/in [34.1 kN/m] MD 160 lbf/in [28.0 kN/m] XMD
Elongation at Peak Load at 73°F [23°C]	D5147	4%	5% MD 5% XMD
Elongation at Peak Load at 0°F [-18°C]	D5147	2%	2.8% MD 3.0% XMD
Ultimate Elongation at 73°F [23°C]	D5147	40%	58% MD 65% XMD
Tear Strength at 73°F [23°C]	D5147	110 lbf [489 N]	265 lbf [1178 N] - MD 225 lbf [1000 N] - XMD
Low Temperature Flexibility [maximum]	D5147	0°F [-18°C]	Pass
Dimensional Stability, max %	D5147	0.50%	0% MD 0% 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) Grey Slate (SL) White (WH)

PRODUCT DATA**

Coverage (Approx)..... 100 sq ft (9.3 m^2)
Weight (Approx) ..... 84 lbs (38 kg)
Thickness (Nominal)..... 140 mils (3.5 mm)
Roll Size .....32'10" × 39⅜" (10 m × 1 m)
Rolls/Pallet.....20

**All values are nominal at time of manufacturing

APPLICABLE STANDARDS

- ASTM D6163, Type II, Grade G
- UL Classified
- FM Approved

PRODUCT CODES

- EFHF35##P

##denotes color code - see Available Colors

POLYGLASS®
MAPEI GROUP
www.polyglass.us

Edition Date: 07/20 • Doc# Elastoflex V G HP FR

ELASTOFLEX V G HP FR

SBS (ELASTOMERIC) GRANULATED CAP SHEET - TYPE II

APPLICATION INSTRUCTIONS

Elastoflex V G HP FR is intended to be used as the primary weathering surface in new or re-roof applications. Elastoflex V G HP FR is to be applied as the uppermost layer of a multiply roof system applied over a compatible Polyglass base or interply membrane. Elastoflex V 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 V G HP FR does not prevent the ventilation of existing construction.
- Do not apply over shingles or any granulated surface.
- While heat welding Elastoflex V G HP FR:
  1. Start at the lowest point of the roof.
  2. Unroll the material and allow it to relax as membrane is positioned prior to installation.
  3. Install with traditional torch roofing techniques ensuring proper heating of the roofing material.
  4. Do not overheat to expose or compromise the reinforcement.
  5. Position successive rolls using a minimum 6" endlap and 3" side lap. Bleed out of asphalt should be ⅛" to ¼" at all seams.
  6. Laps may be lightly rolled with a 4" to 6" wide roller to ensure lap is fused.
- Details and flashing may be installed using torch technique. 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

Polyglass U.S.A., Inc.
1111 West Newport Center Drive
Deerfield Beach, FL 33442
www.polyglass.us
General Line: (888) 410-1375
(954) 233-1330
Customer Service: (800) 222-9782
Technical Service: (866) 802-8017

Questions? technical@polyglass.com

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

POLYGLASS®
MAPEI® GROUP
www.polyglass.us

Edition Date: 07/20 • Doc# Elastoflex V G HP FR