

ELASTOFLEX SA P FR

SELF-ADHERED SBS (ELASTOMERIC) GRANULATED CAP SHEET

PRODUCT DESCRIPTION

Elastoflex SA P FR is a self-adhered Styrene-Butadiene-Styrene (SBS) granulated cap sheet, with fire retardant additives, for use in low-slope roofing. Elastoflex SA P FR is manufactured using Polyglass' patented ADESO® Dual-Compound Self-Adhered Technology. With this technology, a "true" elastomeric modified asphalt compound is applied to the top of the membrane and an aggressive self-adhesive proprietary compound is applied to the bottom. Elastoflex SA P FR is constructed with a tough non-woven polyester reinforcement that provides flexibility and dimensional stability as well as excellent tear and puncture resistance.

The top surface of Elastoflex SA P FR has a granular finish with multiple color options. Elastoflex SA P FR also features SEALlap® ULTRA, a granule-free side lap with self-adhesive compound and FASTLap®, granule free end lap. Each of these patented features provide for greater ease of applications as well as improved long-term performance.

Elastoflex SA P FR can be used as part of a Polyglass warranted multi-ply system with Elastoflex SA V, Elastoflex SA V Plus, or other top film-surfaced Polyglass base sheets to provide a cleaner application, improved application speed and removes the need for torches, hot asphalt or bonding adhesives on the job site.

TYPICAL APPLICATIONS

- Self-adhered cap sheet and flashing membrane on standard new construction and re-roofing applications.
- Self-adhered directly over an acceptable substrate or as part of a multi-ply system.
- Job sites with limited access for special installation equipment or where using a propane torch, hot asphalt or adhesives is undesirable.

FEATURES AND BENEFITS

- Excellent long-term adhesion.
- Application to multiple substrates and base/interply membranes.
- Non-woven polyester mat delivers excellent tear and puncture resistance.
- FASTLap granule free end lap provides faster, stronger seams.
- SEALlap ULTRA granule free selvage edge with self-adhesive compound for an immediate, long-term monolithic seam.

AVAILABLE COLORS

Black (BL)	Buff (BU)	Chestnut (CH)	Grey Slate (SL)
Oak (OA)	White (WH)	Red Blend (RB)	Pine Green (PG)
Heather Blend (HB)	Weatherwood (WW)		

APPLICATION INSTRUCTIONS

Elastoflex SA P FR is intended to be used as the primary weathering surface in new or re-roof applications. Elastoflex SA P FR is to be applied as the uppermost layer of a multi-ply roof system over a compatible Polyglass base and/or interply membrane. Elastoflex SA P FR may also be applied directly to approved wood deck substrates of non-occupied spaces such as carports, sheds, canopies, etc.

For additional substrate requirements and information refer to "Suitable Substrates for Self-Adhered Membranes" Polyglass Technical Bulletin.

- Apply Elastoflex SA P FR membrane only in dry weather and when air and surface temperatures are 40°F (5°C) and rising.
- Apply over clean, dry, dust and debris-free substrates. Prime required substrates prior to application with PG 100 Fast-Drying Asphalt Primer or alternative ASTM D41 primers as approved by Polyglass.
- All substrates shall be designed with proper expansion devices.
- Wood decks shall have all joints cross blocked and/or properly supported.
- Installation of Elastoflex SA P FR should not adversely affect the ventilation of existing construction.
- Do not apply directly to existing shingles or other unacceptable roof coverings.
- While installing Elastoflex SA P FR:
 1. Start at the low point of the roof.
 2. Unroll the material and allow to relax.
 3. Start by removing the first 18–24" of release film.
 4. Press the membrane into place with firm and even pressure. Roll the edges with a silicone hand roller to ensure complete adhesion.
 5. Gradually remove the remaining release film applying pressure from the center to the edges as you go.
 6. Position successive rolls using the 5" FASTLap at the endlap and 3" SEALlap granule free side lap. Ensure a watertight seal.
 7. After installation of the entire roof surface, roll with an 75# split-face linoleum roller. Take care on sloped roofs by securing the roller and applicator with the appropriate safety equipment.



PRODUCT DATA**

Net Coverage (Approx).....	9.3 m ² (100 ft ²)
Weight (Approx)	38 kg (84 lbs)
Thickness (Nominal)	3.5 mm (140 mils)
Roll Size	10 m x 1 m (32'10" x 39 3/8")
Rolls/Pallet.....	25

**All values are nominal at time of manufacturing

APPLICABLE STANDARDS

- ASTM D6164, Type I, Grade G
- UL Classified
- FM Approved
- ICC ESR-2018
- Florida Building Code
- Miami-Dade County Approved
- Texas Department of Insurance
- CSA A123.23-15, Type B, Grade 1



PRODUCT CODES

- ESAF35##Q
- ##denotes color code – see Available Colors

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- Details and flashing may be installed with a hot air welder or with PG 500 Roof Cement or PolyPlus 50 Premium Modified Wet/Dry Cement. Refer to manufacturer's published details for proper design and installation of detail work.
- 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.ca.

TECHNICAL DESCRIPTION*

Properties		CSA A123.23-15 Criteria Type B, Grade 1	Tested Value	
Thickness – mm (mils)		3.3 (130)	3.5 (140)	
Seldedge thickness – mm (mils)		2.2 (85)	2.2 (85)	
Mass per unit area – kg/m ² (lbs/100 ft ²)		3.7 (75)	4.0 (82)	
Testing			Before Heat Conditioning	After Heat Conditioning
Strain energy, min. – kN/m (lbf/in)	At 23 ± 2°C (73.4 ± 3.6°F)	5.5 (3.1)	5.9 (34) - MD 6.0 (34) - XMD	5.9 (34) - MD 5.5 (31) - XMD
	At -18 ± 2°C (-4 ± 3.6°F)	3.0 (17)	7.3 (42) - MD 5.6 (32) - XMD	6.9 (39) - MD 5.7 (32) - XMD
Peak load, min. – kN/m (lbf/in)	At 23 ± 2°C (73.4 ± 3.6°F)	See Tested Value	17.7 (101) - MD 10.9 (62) - XMD	18.4 (105) - MD 12.8 (73) - XMD
	At -18 ± 2°C (-4 ± 3.6°F)	See Tested Value	20.8 (130) - MD 15.4 (88) - XMD	22.2 (127) - MD 15.2 (87) - XMD
Elongation at peak load, %	At 23 ± 2°C (73.4 ± 3.6°F)	See Tested Value	43 - MD 56 - XMD	49 - MD 60 - XMD
	At -18 ± 2°C (-4 ± 3.6°F)	See Tested Value	46 - MD 52 - XMD	44 - MD 53 - XMD
Ultimate elongation at 23 ± 2°C, %		See Tested Value	48 - MD 79 - XMD	54 - MD 64 - XMD
Dimensional stability, max., %		1	0.1 - MD 0 - XMD	
Low temperature flexibility, max. – °C (°F)		-18 (-4)	PASS	PASS
Low temperature flexibility after UV weathering, max. – °C (°F)		-12 (10)	PASS	
Compound stability, min. – °C (°F)		102 (215)	> 102 (215)	> 102 (215)
Resistance to puncture		PASS	PASS	
Granule embedment (Grade 1 only), max. – g (oz)		2.0 (0.07)	0.94	

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

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.ca

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