

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 durable 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.

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)	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 (8.6 kN/m)	96 lbf/in (16.8 kN/m) - MD 72 lbf/in (12.6 kN/m) - XMD
Elongation at Peak Load at 73°F (23°C)	D5147	≥ 35%	47% - MD 58% - XMD
Ultimate Elongation at 73°F (23°C)	D5147	≥ 38%	58% - MD 71% - XMD
Tear Strength at 73°F (23°C)	D5147	≥ 55 lbf (246 N)	138 lbf (614 N) - MD 98 lbf (436 N) - XMD
Dimensional Stability (maximum)	D5147	≤ 1%	0%
Low Temperature Flexibility (maximum)	D5147	0°F (-18°C)	Pass
Compound Stability (maximum)	D5147	Pass/Fail	Pass
Adhesion to Plywood (min at 40°F)	D1970	2.0 lbf/ft	4.6 lbf/ft
Adhesion to Plywood (min at 75°F)	D1970	12.0 lbf/ft	29.0 lbf/ft
Granule Embedment (maximum loss)	D5147	≤ 2 g	1 g

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



PRODUCT DATA**

Net Coverage (Approx) 100 ft² (9.3 m²)
 Weight (Approx) 87 lbs (39.6 kg)
 Thickness (Nominal) 140 mils (3.5 mm)
 Roll Size 32'10" x 39 3/8" (10 m x 1 m)
 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
- FORTIFIED Roof™ Compliant
- Florida Building Code
- Miami-Dade County Approved
- Texas Department of Insurance
- Materials Release 1320b (HUD)



PRODUCT CODES

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



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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 (WWW)		

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.

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" granule free FASTlap at the endlap and 3" SEALap ULTRA granule free side lap. Ensure a watertight seal.
 7. When addressing the field details of the seaming intersection treatment (cutting 45 degree at T-joints), additional care must be taken to ensure the required Polyglass detail is performed. Complete installation instructions can be found on packaging or by calling Polyglass Technical Services.
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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.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) 794-9659

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.

This product is qualified for use as a component of a FORTIFIED-eligible roof system. Use of this product does not guarantee a FORTIFIED™ designation. To be eligible for a FORTIFIED designation, a complete roofing system (components and accessories) must meet the requirements detailed in the FORTIFIED Home™ Standard and be installed by a certified FORTIFIED Roofing Contractor. Products that are required to meet the standard include but may not be limited to: roof coverings, attic ventilation components, a qualified sealed roof deck system, roof underlayments, edge metal and appropriate fasteners for all mechanically fastened components. Documentation for all products and their installation is required. Additional requirements, eligibility criteria and restrictions apply. See the current FORTIFIED Home standard at <https://fortifiedhome.org/technical-documents/> for details.



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