

# ELASTOFLEX SA P POLAR CAP™

## SELF-ADHERED LOW-TEMPERATURE SBS GRANULATED CAP SHEET

### PRODUCT DESCRIPTION

Elastoflex SA P Polar Cap is a granule surfaced, self-adhered, SBS modified bitumen low-slope roofing membrane manufactured using patented ADESO® dual-compound self-adhered technology. Designed for colder weather applications, a high quality elastomeric Styrene-Butadiene-Styrene (SBS) modified asphalt compound is applied on the top layer and an aggressive self-adhesive compound is applied on the bottom layer. The high performance reinforced polyester mat provides excellent puncture and tear resistance.

When used in conjunction with Elastoflex SA V Polar Base or other approved SA base sheet, Elastoflex SA P Polar Cap provides a cleaner application, improves application speed and removes the need for torches, hot asphalt or bonding adhesives on the job site.

The top surface of the Elastoflex SA P Polar Cap membrane has a granular finish available in a variety of colors. The cap sheet features FASTlap® for granule free roll ends, as well as SEAllap®, a factory applied adhesive treatment at the membrane overlap. Each of these patented features provide for greater ease of application as well as improved long term weathering performance.

### TYPICAL APPLICATIONS

- Designed for cold weather applications; 25°F – 60°F (-4°C – 16°C)
- Designed for applications where using a propane torch is undesirable or prohibited
- New construction or approved reroofing specifications for Polyglass roofing systems
- As a flashing membrane in all applicable specifications

### FEATURES AND BENEFITS

- Puncture and tear resistance
- Excellent long-term adhesion and application to multiple substrates and base/interply membranes
- Exceptional physical properties and long-term weathering performance.
- UV stabilized long lasting granule surfacing in multiple colors
- Suitable for cold weather climates, extends self-adhered roofing season

### TECHNICAL DESCRIPTION

TEST METHOD	PROPERTY	ASTM VALUE
ASTM D5147	Peak Load @ 23+/-2°C (73.4+/-3.6°F), MD and XMD, min, lbf/in. (kN/m)	50 (8.8)
ASTM D5147	Elongation @ 23+/-2°C (73.4+/-3.6°F), MD and XMD, min (%)	35
ASTM D5147	Tear Strength @ 23+/-2°C (73.4+/-3.6°F), min, lbf (N)	55 (246)
ASTM D5147	Low Temperature Flexibility, max, °F (°C)	0 (-18)
ASTM D5147	Granule Embedment, max, g	2
ASTM D1970	Adhesion to Plywood @ 40°F, min, lbf/ft (kgf) width	2.0 (0.92)
ASTM D1970	Adhesion to Plywood @ 75°F, min, lbf/ft (kgf) width	12.0 (5.44)
ASTM D1970	Sealability around nail	pass
ASTM D1970	Waterproof integrity after low temp flexibility	pass
ASTM D1970	Waterproof integrity of lap seam	pass

### AVAILABLE COLORS

Top surface granule protection is available in a variety of colors such as:  
 Black                      Grey Slate                      Oak                      White                      Weatherwood



### PRODUCT DATA

Coverage (Approx)..... 100 sq ft (10 m<sup>2</sup>)  
 Weight (Approx) ..... 90 lbs (41 kg)  
 Thickness (Nominal) ..... 140 mils; 3.5 mm  
 Roll Size ..... 32'10" × 39 3/8" (10 m × 1 m)  
 Rolls/Pallet..... 20

### APPLICABLE STANDARDS

ASTM D6164 Type I  
 UL Classified for use in class A, B or C roofs, as listed the latest UL "Roofing Materials and Systems Directory"



### PRODUCT CODES

- ESAPC35BL (Black)
- ESAPC35SL (Grey Slate)
- ESAPC35OA (Oak)
- ESAPC35WH (White)
- ESAPC35VW (Weatherwood)



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### APPLICATION INSTRUCTIONS

Elastoflex SA P Polar Cap is intended to be used as a cap sheet for new or re-roof applications as part of a multi-ply system when applied to acceptable insulations and/or coverboards for commercial and residential low-slope structures. Elastoflex SA P Polar Cap 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 Polyglass published acceptable substrate list.

- Apply Elastoflex SA P Polar Cap membrane only in dry weather and when air and surface temperatures are between 25°F (-4°C) and 60°F (16°C).
- Apply over clean, dry, dust and debris-free substrates. Prime concrete decks prior to application with PG 100 Asphalt Primer.
- 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 installation of Elastoflex SA P Polar Cap does not prevent the ventilation of existing construction.
- Do not apply over shingles or other granulated surface.
- While installing Elastoflex SA P Polar Cap:
  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 providing a minimum 6" end lap and 3" side lap. Laps can be sealed for additional water tightness with a hot air welder.
  7. After installation of the entire roof surface, roll with an 80# split-face linoleum roller. Take care on sloped roofs by securing the roller and applicator with the appropriate safety equipment. Intermittent rolling is recommended.
- Details and flashing may be installed using Elastoflex SA P Polar Cap with a hot air welder or with PG 500 Roof Cement. 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.

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