

# POLYFLEX® G

## APP GRANULATED CAP SHEET

### PRODUCT DESCRIPTION

Polyflex G membranes are premium, polyester reinforced APP modified bitumen roofing membranes specially designed for heat-welded applications. Constructed with premium Atactic Polypropylene resins, and incorporating superior polyester reinforcing, Polyflex G provides an exceptionally durable roofing product which is easy to install and will provide long-term weathering performance.

With a granulated surface (available in several colors) and a film backing, Polyflex G exceeds all minimum ASTM standards for tensile strength, puncture resistance and flexibility.

Polyflex G membranes can also be used as flashing membranes in all applicable specifications and in accordance with recommended installation practices.

### TYPICAL APPLICATIONS

- Heat-welded cap sheet
- Applied directly over an acceptable substrate or as part of a multi-ply system
- New roofing, re-roofing, re-cover and for flashing details

### FEATURES AND BENEFITS

- Exceptional weathering characteristics
- Puncture and tear resistant
- Low-temp flexibility, exceptional tensile strength and elongation properties

### TECHNICAL DESCRIPTION

TEST METHOD	PROPERTY	ASTM VALUE
ASTM D5147	Peak Load @ 23+/-2°C (73.4+/-3.6°F), MD and XMD, min, kN/m (lbf/in.)	8.8 (50)
ASTM D5147	Elongation @ 23+/-2°C (73.4+/-3.6°F), MD and XMD, min (%)	23
ASTM D5147	Tear Strength @ 23+/-2°C (73.4+/-3.6°F), min, N (lbf)	311 (70)
ASTM D5147	Low Temperature Flexibility, max, °C (°F)	0 (32)
ASTM D5147	Granule Embedment, g	2

### AVAILABLE COLORS

Top surface granule protection is available in a variety of colors such as:

Black                  Buff                  Chestnut                  Grey Slate                  Oak  
 White                  Red Blend                  Pine Green                  Heather Blend                  Weatherwood



APP PRODUCTS

### PRODUCT DATA

Coverage (Nominal) .....	100 sq ft
Weight (Approx) .....	110 lbs
Thickness (Nominal) .....	4.5 mm; 180 mils
Roll Size .....	32'10" x 39 3/8" (10m x 1m)
Rolls/Pallet .....	20

### APPLICABLE STANDARDS

- ASTM D6222 Type I
- UL Classified for use in class A, B or C roofs, as listed in the latest UL "Roofing Materials and Systems Directory"
- Factory Mutual Approved
- ICC ESR-2018
- Florida Building Code Approved
- Miami Dade Code Compliance
- TDI



### PRODUCT WARRANTY

Polyglass USA, Inc. commercial roofing membranes can be backed with a manufacturer's warranty for up to 20 years when used as part of an approved, multi-ply roofing system. Please see your Polyglass USA, Inc. Sales or Technical Representative for specifications and details.



www.polyglass.us

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### APPLICATION INSTRUCTIONS

Polyflex G is intended to be used as the primary weathering surface in new or re-roof applications. Polyflex G is to be applied as the outermost layer of a multi-ply roof system over a compatible Polyglass base or interply sheet. Polyflex G may be applied directly to non-combustible substrates.

- 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 fire rating of the assembly over all substrates.
- Ensure the installation of Polyflex G does not prevent the ventilation of existing construction.
- Do not apply over shingles or any granulated surface.
- While installing Polyflex G:
  1. Start at the low point of the roof.
  2. Unroll the material and allow to relax.
  3. Install with traditional torch roofing techniques ensuring proper heating of the roofing material as not to expose the reinforcement.
  4. Do not heat the substrate.
  5. Position successive rolls providing a minimum 6" end lap and 3" side lap. Asphalt bleed out shall be ¼" to ⅜" on all seams.
  6. Laps shall be rolled with a 6" roller immediately after heat welding.
- Details and flashing may be installed using Polyflex G with torch applied techniques. Do not use cold adhesives or hot asphalt. Check project details for proper installation requirements.

### POLYGLASS U.S.A., INC. MANUFACTURING FACILITIES

- Fernley, NV
- Hazleton, PA
- Phoenix, AZ
- 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)

