

# POLYFLEX® G FR

## PRODUCT DESCRIPTION

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

Polyflex G FR with a granulated surface (available in many colors) and either a polyolefin or sand backing exceeds all minimum ASTM standards for tensile strength, puncture resistance and flexibility.

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

## USES

- Heat-welded or cold applied 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	TYPICAL VALUE
ASTM D5147	Thickness, typical, mm (mils)	4.5 (180)
ASTM D5147	Peak Load @ 23+/-2C (73.4+/-3.6F), MD and XMD, min, kN/m (lbf/in.)	8.8 (50)
ASTM D5147	Elongation @ 23+/-2C (73.4+/-3.6F), MD and XMD, min (%)	23
ASTM D5147	Tear Strength @ 23+/-2C (73.4+/-3.6F), 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



## PRODUCT DATA

Coverage (Approx).....	100 sq ft
Weight.....	110 lbs
Roll Size.....	32'10" x 39 3/8" (10m x 1m)
Rolls/Pallet.....	20

## APPLICABLE STANDARDS

- ASTM D 6222 Type I
- Miami Dade Code Compliance
- Factory Mutual Approved
- UL Classified for use in class A, B or C roofs, as listed in the latest UL "Roofing Materials and Systems Directory"
- ICC ESR-2018
- TDI



## PRODUCT WARRANTY

Unless otherwise incorporated into or part of a supplemental manufacturer's warranty, Polyglass warrants its product(s) for a period of 12 years against manufacturing defects in its product that directly results in leakage. Warranty coverage is an annually declining pro-rated warranty.



*Adds value!*

1-800-222-9782

www.polyglass.com

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## APPLICATION INSTRUCTIONS

Polyflex G FR is intended to be used as the primary weathering surface in new or re-roof applications. Polyflex G FR is to be applied as the outermost layer of a multi-ply roof system over a compatible Polyglass base or inner ply sheet. Polyflex G FR 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 any combustible substrate.
- Ensure the installation of Polyflex G FR does not prevent the ventilation of existing construction.
- Do not apply over shingles or any granulated surface.
- While installing Polyflex G FR:
  1. Start at the low point of the roof.
  2. Unroll the material and allow to relax in the sun for at least 15 minutes.
  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 1/4" to 3/8" on all seams.
  6. Laps shall be rolled with a 6"-wide roller immediately after heat welding.
- Details and flashing may be installed using Polyflex G FR with torch applied techniques. Do not use cold adhesives or hot asphalt. Check project details for proper installation requirements.

## MANUFACTURING FACILITIES

- Fernley, NV
- Hazleton, PA
- Winter Haven, FL



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