

POLYBOND® G

PRODUCT DESCRIPTION

Polybond G membranes are polyester reinforced Atactic Polypropylene (APP) modified bitumen roofing products specially designed for heat-welded applications. Constructed with premium APP resins, and incorporating superior polyester reinforcing, Polybond 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 polyolefin backing, Polybond G exceeds all minimum ASTM standards for tensile strength, puncture resistance and flexibility.

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

USES

- 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 White Buff



PRODUCT DATA

Coverage (Approx).....	100 sq ft
Weight (Approx)	100 lbs
Thickness (Nominal)	4.0 mm; 160 mils
Roll Size	32'10" x 39 3/8" (10m x 1m)
Rolls/Pallet.....	20

APPLICABLE STANDARDS

- ASTM D6222, 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"
- TDI



PRODUCT WARRANTY

Polyglass U.S.A., 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 U.S.A., Inc. Sales or Technical Representative for specifications and details.



1-800-222-9782

www.polyglass.com

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APPLICATION INSTRUCTIONS

Polybond G is intended to be used as the primary weathering surface in new or re-roof applications. Polybond G is to be applied as the outermost layer of a multi-ply roof system over a compatible Polyglass base or inner ply sheet. Polybond 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 any combustible substrate.
- Ensure the installation of Polybond G does not prevent the ventilation of existing construction.
- Do not apply over shingles or any granulated surface.
- While installing Polybond 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 1/4" to 3/8" on all seams.
 6. It is suggested but not mandatory that laps shall be rolled with a 6"-wide roller immediately after heat welding.
- Details and flashing may be installed using Polybond 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
- Winter Haven, FL

CORPORATE HEADQUARTERS

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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 material safety data sheet (MSDS) 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.com

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