

POLYBOND® G

APP (PLASTOMERIC) CAP SHEET

PRODUCT DESCRIPTION

Polybond G is an Atactic Polypropylene (APP) modified bitumen roofing membrane reinforced with a non-woven polyester reinforcement that provides flexibility and dimensional stability as well as excellent tear and puncture resistance. The proprietary APP compound offers high quality waterproofing and weathering physical properties. Polybond G is designed for use as cap sheet in multi-layer low-slope assemblies.

Polybond G has a granular top surface in multiple color options and film bottom surface for torch applied application.

Polybond G membranes can also be used as flashing membranes in all applicable specifications, 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, tensile strength and elongation properties.

TECHNICAL DESCRIPTION*

Physical Properties	ASTM Method	ASTM Value
Peak Load @ 23±2°C (73.4±3.6°F), MD and XMD, min, kN/m (lbf/in.)	D5147	8.8 (50)
Elongation @ 23±2°C (73.4±3.6°F), MD and XMD, min (%)	D5147	23
Tear Strength @ 23±2°C (73.4±3.6°F), min, N (lbf)	D5147	311 (70)
Low Temperature Flexibility, max, °C (°F)	D6222	0 (32)
Granule Embedment, g	D5147	2

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

AVAILABLE COLORS

Top surface granule protection is available in a variety of colors such as:
 Black (BL) Buff (BU) White (WH)



PRODUCT DATA**

Net Coverage (Approx) 100 ft² (9.3 m²)
 Weight (Approx) 100 lbs (45 kg)
 Thickness (Nominal) 160 mils (4.0 mm)
 Roll Size 32'10" x 39 3/8" (10 m x 1 m)
 Rolls/Pallet.....20

**All values are nominal at time of manufacturing

APPLICABLE STANDARDS

- ASTM D6222, Type I, Grade G
- UL Classified
- FM Approved
- Florida Building Code
- Miami-Dade County Approved
- Texas Department of Insurance
- Materials Release 1320d (HUD)



PRODUCT CODES

- PB45##PZ
- ##denotes color code - see Available Colors



www.polyglass.us

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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 uppermost layer of a multi-ply roof system applied over a compatible Polyglass base or interply membrane. Polybond G may be applied directly to certain non-combustible substrates.

- Apply over clean, dry, dust and debris-free substrates. When fully bonding, prime concrete decks and required substrates, prior to application with PG 100 Fast-Drying Asphalt Primer or applicable ASTM D-41 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. Ensure to embed the granules on all over granule conditions while maintaining a 1/4" to 3/8" asphalt bleed out.
 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.
- 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) 802-8017

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

