

POLYBOND®

APP BASE/CAP SHEET

PRODUCT DESCRIPTION

Polybond membranes are polyester reinforced Atactic Polypropylene (APP) modified bitumen roofing products specially designed for heat-welded applications. Constructed with premium APP resins, and incorporating strong polyester reinforcing, Polybond provides a durable roofing product which is easy to install and will provide long-term weathering performance.

With a smooth surface and a polyolefin backing, Polybond exceeds all minimum ASTM standards for tear strength and elongation.

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

TYPICAL APPLICATIONS

- Heat-welded base 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)

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



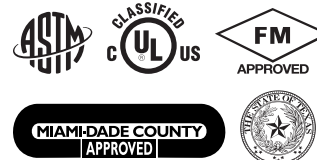
PRODUCT DATA**

Net Coverage (Approx) 100 ft² (9.3 m²)
 Weight (Approx) 90 lbs (41 kg)
 Thickness (Nominal) 145 mils (3.7 mm)
 Roll Size 32'10" x 39 3/8" (10 m x 1 m)
 Rolls/Pallet 23

**All values are nominal at time of manufacturing

APPLICABLE STANDARDS

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



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APPLICATION INSTRUCTIONS

Polybond is intended to be used as a base sheet or cap sheet in new or re-roof applications. Polybond may be applied directly to 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 does not prevent the ventilation of existing construction.
- Do not apply over shingles or any granulated surface.
- While installing Polybond:
 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 $\frac{1}{4}$ " to $\frac{3}{8}$ " 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 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
- 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.

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



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