

POLYBASE V

APP (PLASTOMERIC) BASE/INTERPLY MEMBRANE

PRODUCT DESCRIPTION

Polybase V is an Atactic Polypropylene (APP) modified bitumen roofing membrane base sheet, reinforced with a fiberglass mat. The proprietary APP compound offers quality waterproofing and weathering physical properties. Polybase V is designed for use as a base ply or interply layer in multi-layer low-slope assemblies.

The top and bottom surfaces of Polybase V are finished with polyolefin film. Application methods include mechanically attached or heat-welded. Successive system layers can be heat welded with a ply of Polyflex or Polyflex G cap sheets.

TYPICAL APPLICATIONS

- Mechanically fastened or heat welded base or interply sheet.
- New roofing, re-roofing and flashing detail.

FEATURES AND BENEFITS

- Proprietary APP compound weathering surface.
- Fiberglass mat enhances strength and dimensional stability.
- Provides a strong and durable substrate for other roofing membrane plies.

TECHNICAL DESCRIPTION*

Physical Properties	ASTM Method	ASTM Value
Peak Load at 73°F [23°C]	D5147	50 lbf/in [8.8 kN/m]
Elongation at Peak Load at 73°F [23°C]	D5147	23%
Peak Load at 0°F [-18°C]	D5147	60 lbf/in [10.5 kN/m]
Elongation at Peak Load at 0°F [-18°C]	D5147	10%
Ultimate Elongation at 73°F [23°C]	D5147	30%
Tear Strength at 73°F [23°C]	D5147	70 lbf [311 N]
Low Temperature Flexibility [maximum]	D5147	32°F [0°C]
Dimensional Stability [maximum]	D5147	1%
Compound Stability [maximum]	D5147	230°F [110°C]
Water Absorption [maximum]	D5147	3.20%
Moisture Content [maximum]	D5147	1%
Low Temperature Unrolling [maximum]	D5147	41°F [5°C]

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



PRODUCT DATA**

Net Coverage (Approx)..... 200 ft² (18.5 m²)
 Weight (Approx) 111 lbs (51 kg)
 Thickness (Nominal) 80 mils (2.0 mm)
 Roll Size 65'8" x 39 3/8" (20 m x 1 m)
 Rolls/Pallet.....20

**All values are nominal at time of manufacturing

APPLICABLE STANDARDS

- ASTM D6509
- UL Classified
- Florida Building Code
- Miami-Dade County Approved
- Texas Department of Insurance



PRODUCT CODES

- PG20PP (Film/Film)



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APPLICATION INSTRUCTIONS

Polybase V is intended to be used as a base sheet or interply for new or re-roof applications. Polybase V may be applied directly to non-combustible substrates. Polybase V requires the installation of a compatible cap sheet to complete the roofing system.

- Apply over clean, dry, dust and debris-free substrates. Prime concrete decks and required substrates prior to application with PG 100 Fast-Drying Asphalt Primer. Consult Polyglass Technical Service if alternate primer is allowed.
- When re-roofing, remove all prior roofing materials down to a clean, dust free substrate. Remove unused or abandoned through-roof penetrations.
- All substrates shall be designed with proper expansion devices.
- Wood decks shall have all joints cross blocked and/or properly supported.
- Installation of Polybase V should not adversely affect the ventilation of existing construction.
- Do not apply directly to existing shingles or other unacceptable roof coverings.
- While heat welding Polybase V:
 1. Start at the lowest point of the roof.
 2. Unroll the material and allow it to relax as membrane is positioned prior to installation.
 3. Install with traditional torch roofing techniques ensuring proper heating of the roofing material.
 4. Do not overheat to expose or compromise the reinforcement.
 5. Position successive rolls using a minimum 6" endlap and 3" side lap. Asphalt bleed out should be 1/8" to 1/4" at all seams.
 6. Laps may be lightly rolled with a 4" to 6" wide roller to ensure lap is fused.
- Details and flashing may be installed using 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

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Technical Service: (866) 794-9659

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 2 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

