

POLYGLASS® BASE

APP BASE SHEET

PRODUCT DESCRIPTION

Polyglass Base is an Atactic Polypropylene (APP) modified bitumen roofing membrane base sheet, reinforced with a fiberglass mat saturated and coated with a polymerized asphaltic compound with exceptional waterproofing and weatherability.

Polyglass Base is specially designed for use as a base ply or interply layer in mechanically attached or heat-welded applications. Polyglass Base can also be used as a base sheet for self-adhered systems.

The top and bottom surfaces of the Polyglass Base are finished with polyolefin film.

TYPICAL APPLICATIONS

- Mechanically fastened or heat welded base or interply sheet.
- Base sheet for self-adhered systems.
- New roofing, re-roofing and flashing detail.

FEATURES AND BENEFITS

- Proprietary APP compound weathering surface.
- Fiberglass reinforced; puncture and tear resistant.
- Superior flexibility and dimensional stability.

TECHNICAL DESCRIPTION

TEST METHOD	PROPERTY	ASTM VALUE
ASTM D228 Sec 7	Net mass / unit area, min, lbs/100 ft ² (g/m ²)	40 (1952)
ASTM D5147 Sec 16	Bottom side coating thickness, min, mils, (mm)	30 (0.76)
ASTM 5147 Sec 6	Peak load at -18 ± 2°C (0 ± 3.6°F), MD & XMD, kN/m (lbf/in.), min	12.2 (70)
ASTM D5147 Sec 6	Elongation at -18 ± 2°C (0 ± 3.6°F), MD & XMD, at peak load, % min	1
ASTM D5147 Sec 6	Peak load at 23 ± 2°C (73.4 ± 3.6°F), MD & XMD, before and after heat conditioning, kN/m (lbf/in.), min	8.8 (50)
ASTM D5147 Sec 6	Elongation at 23 ± 2°C (73.4 ± 3.6°F), MD & XMD, before and after heat conditioning, at peak load, % min	2
ASTM D5147 Sec 7	Tear strength at 23 ± 2°C (73.4 ± 3.6°F), N (lbf), min	311 (70)
ASTM D5147 Sec 11	Low temperature flexibility, max, before and after heat conditioning, °C (°F) max	0 (+32)
ASTM D5147 Sec 10	Dimensional stability, % change max	0.2
ASTM D5147 Sec 15	Compound stability, °C (°F) min	110 (230)
ASTM D5147 Sec 9	Water absorption, % max	3.2
ASTM D5147 Sec 8	Moisture content, % max	1
ASTM D5636	Low temperature unrolling, °C (°F), max	5 (41)



PRODUCT DATA

Coverage (Approx) 200 sq ft
 Weight (Approx) 86 lbs
 Thickness (Nominal) 2.0 mm; 80 mils
 Roll Size 65'8" × 39 3/8" (20m × 1m)
 Rolls/Pallet 20

APPLICABLE STANDARDS

- ASTM D6509
- UL Classified for use in class A, B or C roofs, as listed the latest UL "Roofing Materials and Systems Directory"
- Florida Building Code
- Miami Dade Code Compliance
- 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.



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APPLICATION INSTRUCTIONS

- Apply one or more layers directly over an acceptable substrate.
- Polyglass Base membranes shall be set with min. 3" side and min. 6" end laps.
- The rolled membranes shall be set and unrolled approximately 6' to align sheets.
- A propane torch flame shall be applied to the exposed, outer surface of the roll (the membrane underside) until the surface reaches the proper application temperature.
- The roll is then gradually unrolled to create a continuous heat weld between the membrane and substrate.
- The remainder of the roll is re-rolled and installed in the same manner.
- There should be approx. 1/4" to 3/8" bleed out of the melted membrane (compound) at the laps.
- Polyglass Base sheets may be applied as a mechanically attached base sheet.

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 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



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