

POLYFLEX® SA BASE

PRODUCT DESCRIPTION

Polyflex® SA Base is a premium, self-adhered base ply roofing membrane. Polyflex SA Base is specifically designed to be used as a base sheet for heat welded roofing assemblies. Polyflex SA Base is constructed with a black mineral surfaced APP weathering compound, uniquely formulated to provide for exceptional bonding to heat welded interply or cap sheets. The membrane is reinforced with a high performance fiberglass mat. Polyflex SA Base is manufactured using patent pending ADESO Dual-Compound Self-Adhesive technology providing for an aggressive self-adhesive compound on the bottom layer. Polyflex SA Base has a split release film for ease and safe application to approved substrates.

Polyflex SA Base is packaged in a patented EasyBox that facilitates easy handling of the rolls; each roll provides for approximately 200 square feet of coverage and weighs approximately 70 pounds.

USES

- Designed as a base sheet for multi-ply, heat welded, modified bitumen roof systems
- Compound formulated to provide exceptional bonding to APP mid-ply and cap sheets
- Self-adhered for safe applications where using a propane torch is undesirable or prohibited

FEATURES AND BENEFITS

- Excellent long term adhesion and product performance
- Fiberglass reinforced for exceptional dimensional stability
- Low temp flexibility, puncture and tear resistant

TECHNICAL DESCRIPTION

TEST METHOD	PROPERTY	TYPICAL VALUE
ASTM D5147	Thickness, min, mm (mils)	1.5 (60)
ASTM D5147	Maximum Load @ 23+/-2°C (73.4+/-3.6°F), MD and XMD, min, kN/m (lbf/in.)	4.4 (25)
ASTM D5147	Elongation at break 23+/-2°C (73.4+/-3.6°F), MD and XMD, min (%)	10%
ASTM D5147	Adhesion to Plywood, min at 40°F, lbf/ft width	2.0
ASTM D5147	Adhesion to Plywood, min at 75°F, lbf/ft width	12.0
ASTM D5147	Tear resistance N(lbf)	89 (20)
ASTM D5147	Sealability around nail	pass
ASTM D5147	Waterproof integrity after low temp flexibility	pass
ASTM D5147	Waterproof integrity of lap seam	pass
ASTM D5147	Slip Resistance	pass



PRODUCT DATA

Coverage (Nominal)	200 sq ft
Weight (Approx)	70 lbs
Roll Size66' 8" x 39 3/8" (20m x 1m)
Rolls/Pallet.....	20

APPLICABLE STANDARDS

- ASTM D 1970
- ICC ESR-2018 (pending)
- UL Classified for use in class A, B or C roofs, as listed the latest UL "Roofing Materials and Systems Directory"



PRODUCT WARRANTY

Polyglass USA, 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 USA, Inc. Sales or Technical Representative for specifications and details.



Adds value!

1-800-222-9782

www.polyglass.com

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APPLICATION INSTRUCTIONS

Polyflex SA Base is intended to be used as a base sheet for new or re-roof applications when applied to acceptable insulations and/or coverboards for commercial and residential structures. Polyflex SA Base is not recommended for direct adhesion to plywood sheathing on low-sloped roofs, however, it may be applied directly to approved wood deck substrates of non-occupied spaces such as carports, sheds, canopies, etc.

- Apply only when the weather and forecast is dry and the ambient air temperature and substrate is 40°F (5°C) and rising.
- 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 be properly supported by the structural framing.
- Ensure the installation of Polyflex SA Base does not prevent the ventilation of existing construction
- Do not apply over shingles or other granulated surface.
- While installing Polyflex SA Base:
 1. Start at the low point of the roof.
 2. Unroll the material and allow to relax.
 3. Start by removing the first 18-24" of release film.
 4. Press the membrane into place with firm and even pressure. Roll the edges with a silicone hand roller to ensure complete adhesion.
 5. Gradually remove the remaining release film applying pressure from the center to the edges as you go.
 6. Position successive rolls providing a minimum 6" end lap and 4" side lap. Laps can be sealed for additional water tightness with a hot air welder.
 7. Roll with an 80# split-face linoleum roller. Take care on sloped roofs by securing the roller and applicator with the appropriate safety equipment.
- End laps, T-joints, details and flashing may be installed using Polyflex SA Base with a hot air welder or with PG 500 or Polyplus 50 modified products.
Check project details for proper installation requirements.

POLYGLASS U.S.A., INC. MANUFACTURING FACILITIES

- Fernley, NV
- Hazleton, PA
- Winter Haven, FL

CORPORATE HEADQUARTERS

Polyglass U.S.A., Inc.
1111 West Newport Center Drive
Deerfield Beach, FL 33442
www.polyglass.com

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 2 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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