

# POLYGLASS® LS MAX

## SELF-ADHERED LOW-SLOPE MEMBRANE FOR STICK N' COAT SYSTEM

### PRODUCT DESCRIPTION

Polyglass LS MAX is a self-adhered waterproofing membrane with a polyester reinforced surface fabric compatible with a liquid applied membrane system. Utilizing ADESO® dual compound self-adhered technology, Polyglass LS MAX features a polymer modified bitumen upper compound and a proprietary self-adhesive SBS (elastomeric) compound on the bottom. A split release film that protects the self-adhesive compound allows for easy application.

The polyester reinforced surface of LS MAX allows the Polyglass liquid applied base coat to flow through it, bonding with the modified bitumen membrane while reinforcing the liquid membrane system. Additional top coats complete the Stick n' Coat system providing an impermeable monolithic system which can also be highly reflective when white reflective coatings are utilized.

Polyglass LS MAX is a flexible membrane allowing it to lay flat with ease, increasing install speed. This product features patented SEAllap® factory applied adhesive treatment at the membrane overlap which provides a quick watertight bond.

As part of the Stick 'N' Coat System, Polyglass LS MAX can be installed as a single membrane or as part of a multi-ply system when used over Elastobase V, Elastobase SA, or Elastoflex SA V and coated with PolyBrite® 71 Base Coat and PolyBrite® Climate Series.

### TYPICAL APPLICATIONS

- Self-adhered membrane for new construction and re-roofing applications using the Stick 'N' Coat System.
- Self-adhered directly over an acceptable substrate or as part of a multi-ply system.
- Job sites with limited access for special installation equipment or where using a propane torch, hot asphalt or adhesives is undesirable

### FEATURES AND BENEFITS

- Polyester mat surface engineered for strong adhesion of liquid applied membrane surfacing.
- Patented SEAllap factory-applied adhesive for fast watertight seams.
- Excellent long-term adhesion.
- Application to multiple substrates and base membranes.
- An integral part of the Stick 'N' Coat System.

### TECHNICAL DESCRIPTION\*

| Physical Properties  | ASTM Method | ASTM Value |
|--|-------------|------------|
| Maximum Load, Longitudinal and Transverse, min, kN/m [lbf/in.] | D5147       | 4.4 [25]   |
| Elongation at break, min of modified bitumen portion [%]       | D5147       | 10         |
| Tear Resistance, Longitudinal and Transverse, min, N [lbf]     | D5147       | 89 [20]    |
| Moisture Vapor Permeability, max, perms                        | E96         | 0.1        |
| Adhesion to Plywood @ 40°F, min, lbf/ft width                  | D1970       | 2.0        |
| Adhesion to Plywood @ 75°F, min, lbf/ft width                  | D1970       | 12.0       |
| Waterproof integrity after low temp flexibility                | D1970       | pass       |
| Waterproof integrity of lap seam                               | D1970       | pass       |

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



### PRODUCT DATA\*\*

Net Coverage (Approx) ...200 ft<sup>2</sup> (18.5 m<sup>2</sup>)  
 Gross Coverage ..... 215 ft<sup>2</sup> (20 m<sup>2</sup>)  
 Weight (Approx) ..... 55 lbs (25 kg)  
 Thickness (Nominal) ..... 60 mils (1.5 mm)  
 Roll Size ..... 65'8" × 39 3/8" (20 m × 1 m)  
 Rolls/Pallet.....25

\*\*All values are nominal at time of manufacturing

### APPLICABLE STANDARDS

- ASTM D1970
- UL Classified



### PRODUCT CODES

- PGLSMAX



www.polyglass.us

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### APPLICATION INSTRUCTIONS

The Stick 'N' Coat Systems featuring Climate Series Coatings are designed for installation in hot/dry climate zones (ASHRAE 90.1 Climate Zones 1b & 2b). For installations in areas outside those climate zones, please call Polyglass Technical Services.

- Polyglass LS MAX may be applied directly to the roof deck where allowable by Code, or to various approved substrates such as Polyglass Base Sheets. For additional substrate requirements and information refer to Polyglass published "Suitable Substrates for Self-Adhered (SA) Membranes."
- Apply only when the substrate is dry and project related temperatures (air, roof deck, membrane) are 40°F and rising.
- Apply over clean, dry, dust and debris-free substrates. Prime required substrates prior to application with PG 100 Fast-Drying Asphalt Primer or alternative ASTM D41 primers as approved by Polyglass.
- All substrates shall be designed with proper expansion devices.
- Wood decks shall have all joints cross blocked and/or properly supported.
- While installing Polyglass LS MAX:
  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 using the 3" SEAllap fabric free side lap. Remove the protective SEAllap release film and apply even pressure to seam area. End laps should be butted together and sealed using a Polyglass Acrylic Mastic and PolyBrite Polyester Reinforcing Fabric in a 3-course application. Ensure a watertight seal. 3-coursing the side laps using PolyBrite 71 and fabric may be required.
  7. After installation of the entire roof surface, roll with an 75# split-face linoleum roller. Take care on sloped roofs by securing the roller and applicator with the appropriate safety equipment
- Polyglass LS MAX must be coated as soon as possible. If prolonged exposure is expected, please contact Polyglass Technical Services.
- All flashing details shall be completed using approved Polyglass liquid flashing materials.

### MANUFACTURING FACILITIES

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

### CORPORATE HEADQUARTERS

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**Questions?** [technical@polyglass.com](mailto: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 1 year.

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](http://www.polyglass.us).



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