



SELF-ADHERED MODIFIED BITUMEN

For Low Slope Commercial & Residential Roofing





What is ADESO® Technology?

ADESO Technology revolutionized the modified bitumen industry by manufacturing dual-compound self-adhered (SA) membranes using a true APP or SBS formulation on the top weathering side and an aggressive self-adhered formulation on the bottom side of the reinforcement. ADESO Technology integrates patented features that enhance lap sealing and allows product design with a variety of customized surfaces. Polyglass versatile solutions deliver maximum roof design flexibility with a full range for project specifications.

Features & Benefits

- Labor savings with fast and clean installation
- Safe, no open flame application; may reduce insurance costs
- Dried-in fast; superior and immediate water-tight protection upon installation
- Versatile roof systems for commercial and residential projects
- Long-term warranty protection
- Adheres to a variety of substrates – Polyglass approves ADESO base sheet installation direct to ISO, no primer required
- Polyester or fiberglass reinforced

**6.3 billion square feet
produced and counting!**

Recognizing the need for a safer application method, Polyglass was the first to manufacture a proprietary self-adhesive compound in the US in the mid-1990's.



Dual Compound

Combines a true APP or SBS compound top weathering surface with an aggressive self-adhesive compound on the bottom surface. Polyglass' proprietary SA compound continues to out-perform competition, proven by third-party testing to provide superior adhesion.

FASTLap®



FASTLap®

Save time and labor with granule free end laps; install cap sheets faster without compromising performance. Protected by film which is removed prior to installation, FASTLap provides a smooth, clean surface to adhere consecutive rolls.



Competitor Granulated Cap Sheet



Polyglass FASTLap Granule Free End Laps



U.S. PATENT PENDING

**Remove film completely before application.
Remueva el plástico antes de instalación.**

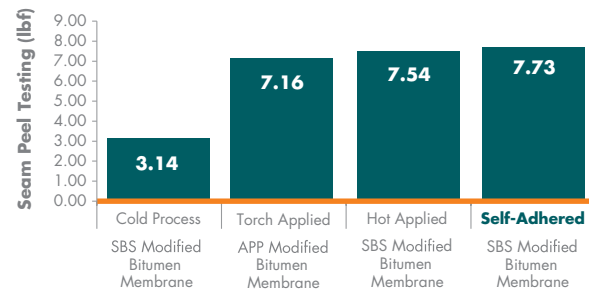
Remove film completely before application.
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SEALLap® ULTRA

Instant side lap bond, tested stronger than all other application methods. This bond forms a completely monolithic water-tight seal for long-term performance; by way of applying the same self-adhesive compound on the side lap of the membrane as on the bottom layer.

Guaranteed strongest shear strength at the side

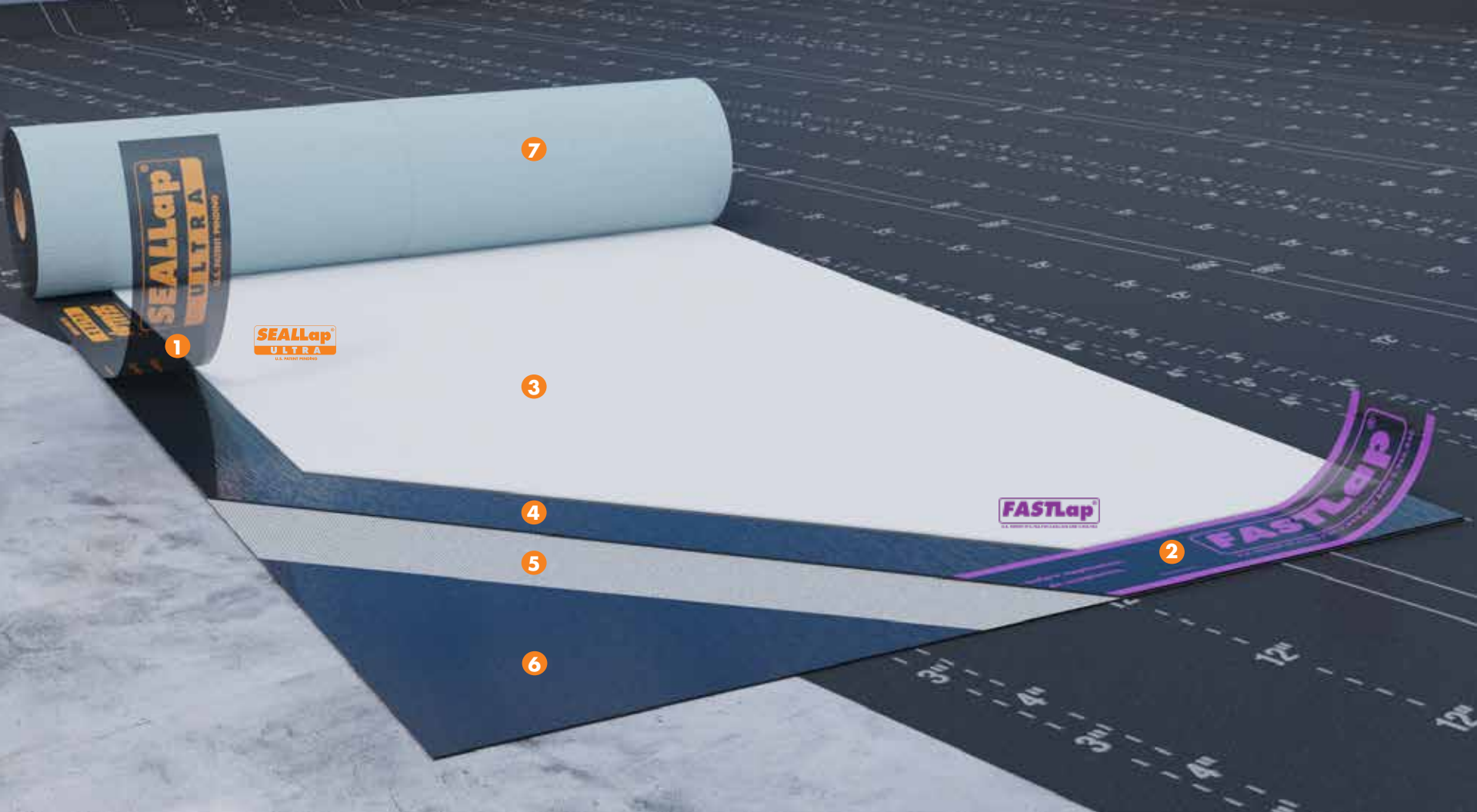




Multiple Surface Solutions

Allows a wide variety of surfacing options, providing solution for any roofing system need. Polyglass' premium quality roof systems are designed to provide better protection, greater reflectivity and the most cost efficient results for your projects.

- | | |
|-------------------------------|--------------------------|
| 1. SEALLap® ULTRA | 5. Reinforcement |
| 2. FASTLap® | 6. Self-Adhered Compound |
| 3. Multiple Surface Solutions | 7. Release Film |
| 4. True APP or SBS | |



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SEALLap
ULTRA
U.S. PATENT PENDING

3

4

5

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FASTLap
U.S. PATENT PENDING FOR FASTLAP AND FASTLAP-2

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Why **POLYFRESKO** with CURE Technology?

Highly Reflective, Energy Efficient

Initial reflectivity above industry standards, eligible for LEED® points as part of qualified cool roof system

Durability

Increased abrasion and impact resistance, exceptional granule retention

Protection

As part of a Polyglass multi-ply system, Class A Fire Rating with extended warranties available

Safe and secure

Enhanced performance benefits without compromising the ease of installation

Stain-free

Polyfresko will not discolor over time, resistant to surface blemishes and dirt pickup



REFLECTIVITY



THIN FILM TECHNOLOGY



GRANULE ADHESION



STAIN-FREE



Rated Product ID #: 0616-0011a

| | Initial | Aged |
|-------------------|---------|------|
| Solar Reflectance | 0.77 | 0.68 |
| Thermal Emittance | 0.90 | 0.88 |

The ratings above are subject to CRRC rating program conditions, requirements, and limitations. Visit coolroofs.org for important information and disclaimers about CRRC rating conditions, requirements, and limitations.

Solar Reflectance Index (SRI) Initial: 96 Weathered: 83



It's not too cold yet... Roofing Season is officially extended with Polyglass!

Polyglass adds more options to the line of ADESO products with Elastoflex SA V Polar Base and Elastoflex SA P Polar Cap: low-temperature SBS membranes designed for cold weather applications (25° F – 60° F).

Elastoflex SA V Polar Base®

- Suitable for cold weather climates
- Base or interply for self-adhered and torch multi-ply systems
- High performance fiberglass reinforcement
- Excellent long-term adhesion
- Low temp flexibility

Elastoflex SA P Polar Cap®

- Features SEALLap® ULTRA and FASTLap®
- Reinforced with polyester mat for excellent puncture and tear resistance
- Suitable for cold weather climates
- Applied without open-flame torches, solvent-based adhesives or hot-asphalt, all which may be undesirable and/or prohibited
- UV stabilized, long-lasting granule surfacing
- Available in 2 colors: Black and White

Polyglass ADESO Self-Adhered Membranes

Polyglass ADESO Self-Adhered Membranes meet or exceed industry code approvals*:



| Product Name | Modifier | Mat | ASTM | Nominal Thickness (mils) (mm) | UL | FM | ICC-ES | FBC | Miami Dade County | TDI | CRRC | Title 24 |
|---------------------------------|----------|------------|-------------|-------------------------------|----|----|--------|-----|-------------------|-----|------|----------|
| Base Sheets | | | | | | | | | | | | |
| Elastobase SA | SBS | Fiberglass | D1970/D4601 | 65 mils (1.7 mm) | ✓ | | | ✓ | | | | |
| Elastoflex SA Base | SBS | Polyester | D6164 | 100 mils (2.5 mm) | ✓ | | | ✓ | | | | |
| Elastoflex SA V | SBS | Fiberglass | D1970/D6163 | 80 mils (2.0 mm) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| Elastoflex SA V FR | SBS | Fiberglass | D1970/D6163 | 80 mils (2.0 mm) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| Elastoflex SA V Plus | SBS | Fiberglass | D6163 | 100 mils (2.5 mm) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| Elastoflex SA V Plus FR | SBS | Fiberglass | D6163 | 100 mils (2.5 mm) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| Elastoflex SA V Polar Base | SBS | Fiberglass | D1970/D6164 | 80 mils (2.0 mm) | ✓ | | | | | | | |
| Elastoflex SA V Flashing Strips | SBS | Fiberglass | n/a | 80 mils (2.0 mm) | ✓ | | ✓ | ✓ | | ✓ | | |
| Cap Sheets | | | | | | | | | | | | |
| Polyflex SA P | APP | Polyester | D6222 | 142 mils (3.6 mm) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| Polyflex SA P FR | APP | Polyester | D6222 | 142 mils (3.6 mm) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| Polyfresko G SA | APP | Polyester | D6222 | 150 mils (3.8 mm) | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Polyfresko G SA FR | APP | Polyester | D6222 | 160 mils (4.0 mm) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Elastoflex SA P | SBS | Polyester | D6164 | 140 mils (3.5 mm) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| Elastoflex SA P FR | SBS | Polyester | D6164 | 140 mils (3.5 mm) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| Elastoflex SA P Polar Cap | SBS | Polyester | D6164 | 140 mils (3.5 mm) | ✓ | | | | | | | |
| Polyfresko G SBS SA | SBS | Polyester | D6164 | 142 mils (3.6 mm) | ✓ | | ✓ | | ✓ | ✓ | ✓ | ✓ |
| Polyfresko G SBS SA FR | SBS | Polyester | D6164 | 142 mils (3.6 mm) | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ |

*See Product Data Sheets for product-specific approvals.

Extended Warranty Protection with Polyglass' ADESO Membranes

We stand behind our products with the most reliable warranties in the industry. Our warranty programs provide extended protection, assuring the optimum system performance is guaranteed. Polyglass offers options to extend warranty terms when highly reflective roof coatings are added to the roof assembly. We continue to safeguard our customers' assets after the installation with our warranty support.

| Warranty Length | Base Sheet | Interply Sheet | Cap Sheet |
|--------------------------------------|----------------------|-----------------------------------|--|
| Self-Adhered Assemblies | | | |
| 20 years | Elastoflex SA V Plus | Optional | Polyflex SA P, Elastoflex SA P, Polyfresko G SA, Polyfresko G SBS SA |
| 25 years* | Elastoflex SA V Plus | Elastoflex SA V Plus | Any Polyglass SA Cap Sheet |
| 30 years* | Elastoflex SA V Plus | Elastoflex SA V Plus | Polyfresko G SA |
| Hybrid Self-Adhered/Torch Assemblies | | | |
| 20 years | Elastoflex SA V Plus | Optional | Premium Torch Cap Sheet |
| 25 years* | Elastoflex SA V Plus | SA V Plus or Torch Interply Sheet | Premium Torch Cap Sheet |
| 30 years* | Elastoflex SA V Plus | SA V Plus or Torch Interply Sheet | Polyfresko G (torch) |

*Available only to Polyglass Preferred and Quantum Contractors.





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