

**POLYGLASS®**



**SBS**

**MODIFIED BITUMEN  
MEMBRANES**

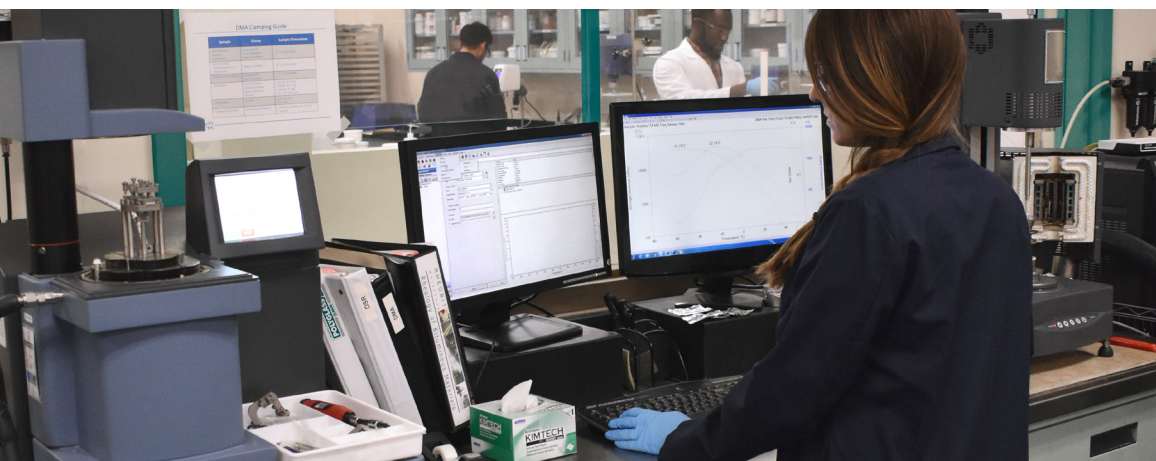
# About Polyglass

Polyglass is an ISO 9001:2015 Certified leading manufacturer of high-quality modified bitumen roofing and waterproofing solutions, with over 30 years of experience in the United States. Committed to adding value through innovation, Polyglass utilizes the most technologically advanced manufacturing process in the industry with six state-of-the-art manufacturing facilities- five in North America and one in Italy which services all of Europe.

Since 2008, Polyglass has been a part of the Mapei® Group, a multi-billion-dollar manufacturer in the building industry. Together we represent over 130 years of combined experience in the production and support of building envelope products and solutions, with 93 manufacturing facilities spanning 36 countries on 5 continents.

Polyglass prides itself in providing innovative and quality waterproofing products which exceed the needs and expectations of its customers all around the world. This commitment is demonstrated daily by the people that work for Polyglass where the customers' needs always come first.

We are more than a manufacturer - Our company's family-based culture puts our customers, their projects and success, first. Polyglass and Mapei are committed to those founding core values in addition to the Research & Development, and Innovation required to ensure the performance expected from our world class organization.



## Research & Development

As a leading company in the modified bitumen membrane waterproofing and roofing products category, Polyglass has consistently innovated throughout its history. Our patent portfolio includes but not limited to: "ADESO®" - a groundbreaking self-adhered dual-compound membrane, "SEAllap® ULTRA" - an enhanced bonding method for self-adhered membranes, and "Polyfresko®" an unsurpassed energy savings membrane that delivers exceptional solar reflectance.

Our multidisciplinary Research & Development team is comprised of Ph.Ds., chemists, material scientists and chemical, civil and mechanical engineers that interact with other departments to play a critical role in the development of new products, processes, innovations and ideas. R&D contributes to achieving our company's goals through the optimization of the manufacturing process, by implementing cost effective and improved installation techniques and by controlling the selection and approval of raw materials ensuring our customers receive quality products at an exceptional value that meet and exceed environmental, health and safety regulations.

The Research & Development department embraces and understands the many difficulties of meeting the demands of the building and waterproofing industries and is well equipped to meet these future challenges. Our research laboratories are equipped with cutting edge analytical and physical testing equipment to push the boundaries in the development of novel and innovative products and technologies that better serve our customer's needs and expectations.



## Why Use Polyglass SBS Membranes?

Polyglass uses a proprietary formulation for our SBS compound, and the highest quality asphalt, polymers and modifiers. Membranes are reinforced with polyester and/or fiberglass mats offering superior flexibility, excellent tensile strength and dimensional stability. The final product provides a highly durable roofing membrane, able to sustain a variety of environmental conditions over time. Available in a variety of installation methods to best suit your application:

- Self-Adhered
- Heat Welded or Torch Applied
- Cold Process Applied
- Hot Asphalt Applied
- Mechanically Attached

# Multi-Ply SBS System Advantages:

- Superior Protection
- Impact Resistance
- Lower Maintenance
- Exceptional Granule Retention
- Extended Warranty Coverage
- Cold Temperature Flexibility
- Withstands Extreme Temperatures
- Excellent Tensile Strength & Dimensional Stability
- UV Protection & Reflectivity
- Sustainable Solutions
- Energy Efficient

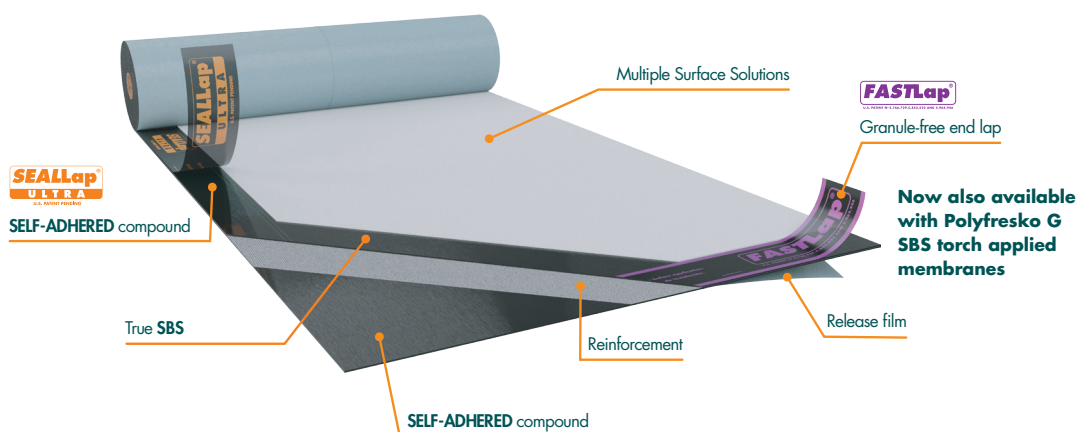


Now featuring patented FASTLap® granule-free end lap on Polyfresko G SBS torch applied membranes - including FR + HP configurations



ADESO Technology revolutionized the modified bitumen industry by manufacturing dual-compound self-adhered membranes using a true SBS formulation on the top weathering side and an aggressive self-adhered formulation on the bottom side of the reinforcement.

ADESO Technology, and other innovative Polyglass patented technologies featured in our self-adhered membranes provide for overall superior product and roof system performance. Most ADESO membranes feature SEAllap® ULTRA, a side lap with self-adhesive compound for an instant bond, tested stronger than all other application methods. Polyglass' self-adhered granulated cap sheets also feature FASTLap®, a patented granule-free end lap. Both SEAllap ULTRA and FASTLap are protected by a removable film for easy installation.



# 12 Color Options

## Available For Granulated Cap Sheets



BLACK



BUFF



CHESTNUT



GRAY SLATE



HEATHER BLEND



OAK



PINE GREEN



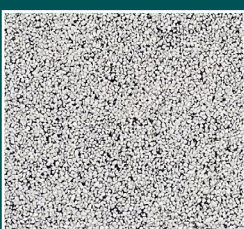
RED BLEND



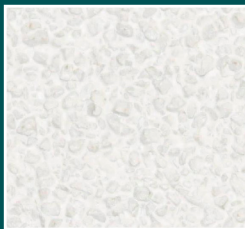
WEATHERWOOD



WHITE



BRIGHT WHITE



POLYFRESKO  
HIGHLY REFLECTIVE  
WHITE

## Warranty Protection

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. We continue to safeguard our customers' assets after the installation with our warranty support.

### *Polyglass SBS membranes meet or exceed industry code approvals\*:*

- ASTM
- FM Approved
- Miami Dade County Approved
- Texas Department of Insurance
- UL Classified
- ICC-ES
- Florida Building Code
- FORTIFIED Roof™



\*See Product Data Sheets for product-specific approvals.

| Product Name                | Reinforcement | ASTM           | Nominal Thickness<br>Mils (mm) | Self Adhered | Heat Weld | Hot Mop | Cold Process | Mechanically Attached |
|-----------------------------|---------------|----------------|--------------------------------|--------------|-----------|---------|--------------|-----------------------|
| CAP SHEETS                  |               |                |                                |              |           |         |              |                       |
| Elastoflex S6 G             | Polyester     | D6164          | 160mils (4.0mm)                |              | ✓         | ✓       | ✓            |                       |
| Elastoflex S6 G FR          | Polyester     | D6164          | 160mils (4.0mm)                |              | ✓         | ✓       | ✓            |                       |
| Elastoflex S6 G HP          | Polyester     | D6164, Type II | 160mils (4.0mm)                |              | ✓         | ✓       | ✓            |                       |
| Elastoflex S6 G HP FR       | Polyester     | D6164, Type II | 160mils (4.0mm)                |              | ✓         | ✓       | ✓            |                       |
| Elastoflex V G              | Fiberglass    | D6163          | 140mils (3.5mm)                |              |           | ✓       | ✓            |                       |
| Elastoflex V G FR           | Fiberglass    | D6163          | 140mils (3.5mm)                |              | ✓         | ✓       | ✓            |                       |
| Elastoflex V G HP FR        | Fiberglass    | D6163, Type II | 140mils (3.5mm)                |              | ✓         |         |              |                       |
| Elastoshield® TS G          | Polyester     | D6164          | 180mils (4.5mm)                |              | ✓         | ✓       | ✓            |                       |
| Elastoshield® TS G FR       | Polyester     | D6164          | 180mils (4.5mm)                |              | ✓         | ✓       | ✓            |                       |
| Polyfresko® G SBS           | Polyester     | D6164          | 160mils (4.0mm)                |              | ✓         |         |              |                       |
| Polyfresko® G SBS FR        | Polyester     | D6164          | 160mils (4.0mm)                |              | ✓         |         |              |                       |
| Polyfresko® G SBS HP FR     | Polyester     | D6164, Type II | 165mils (4.2mm)                |              | ✓         |         |              |                       |
| Elastoflex SA P             | Polyester     | D6164          | 140mils (3.5mm)                | ✓            |           |         |              |                       |
| Elastoflex SA P FR          | Polyester     | D6164          | 140mils (3.5mm)                | ✓            |           |         |              |                       |
| Elastoflex SA P Polar Cap®  | Polyester     | D6164          | 140mils (3.5mm)                | ✓            |           |         |              |                       |
| Polyfresko® G SBS SA        | Polyester     | D6164          | 142mils (3.6mm)                | ✓            |           |         |              |                       |
| Polyfresko® G SBS SA FR     | Polyester     | D6164          | 142mils (3.6mm)                | ✓            |           |         |              |                       |
| BASE/INTERPLY SHEETS        |               |                |                                |              |           |         |              |                       |
| Modibase®                   | Fiberglass    | D4601          | 50mils (1.3mm)                 |              |           | ✓       | ✓            | ✓                     |
| Modifleece®                 | Polyester     | D4601, Type II | 87mils (2.2mm)                 |              |           |         | LRF          |                       |
| Elastovent®                 | Fiberglass    | D4897          | 130mils (3.3mm)                |              |           | ✓       |              | ✓                     |
| Elastobase® V               | Fiberglass    | D6163          | 80mils (2.0mm)                 |              | ✓         | ✓       | ✓            | ✓                     |
| Elastobase® P               | Polyester     | D6164          | 87mils (2.2mm)                 |              | ✓         | ✓       | ✓            | ✓                     |
| Elastoflex S6               | Polyester     | D6164          | 118mils (3.0mm)                |              | ✓         | ✓       | ✓            | ✓                     |
| Elastoflex S6 HP            | Polyester     | D6164, Type II | 118mils (3.0mm)                |              | ✓         | ✓       | ✓            | ✓                     |
| Elastoflex V                | Fiberglass    | D6163          | 120mils (3.0mm)                |              | ✓         | ✓       | ✓            | ✓                     |
| Elastoflex V HP             | Fiberglass    | D6163, Type II | 90mils (2.2mm)                 |              | ✓         |         |              | ✓                     |
| Elastoflex V 22             | Fiberglass    | D6163          | 90mils (2.2mm)                 |              | ✓         | ✓       | ✓            | ✓                     |
| Elastoshield® TS            | Polyester     | D6164          | 160mils (4.0mm)                |              | ✓         |         |              | ✓                     |
| Elastobase® SA              | Fiberglass    | D1970; D4601   | 65mils (1.65mm)                | ✓            |           |         |              |                       |
| Elastoflex SA Base          | Polyester     | D6164          | 100mils (2.5mm)                | ✓            |           |         |              |                       |
| Elastoflex SA V             | Fiberglass    | D1970; D6163   | 80mils (2.0mm)                 | ✓            |           |         |              |                       |
| Elastoflex SA V FR          | Fiberglass    | D1970; D6163   | 80mils (2.0mm)                 | ✓            |           |         |              |                       |
| Elastoflex SA V Plus        | Fiberglass    | D6163          | 100mils (2.5mm)                | ✓            |           |         |              |                       |
| Elastoflex SA V Plus FR     | Fiberglass    | D6163          | 100mils (2.5mm)                | ✓            |           |         |              |                       |
| Elastoflex SA V Polar Base® | Fiberglass    | D1970; D6163   | 80mils (2.0mm)                 | ✓            |           |         |              |                       |

All values are nominal at time of manufacturing and properties are “as manufactured” unless otherwise noted.  
 Coverages are nominal and approximate and can vary depending on application method and selvage configuration.

**POLYGLASS®**



**POLYGLASS U.S.A., Inc.**

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