

APP Modified Bitumen Membranes

For Heat-Welded Applications



ROOFING AND WATERPROOFING SYSTEMS
POLYGLASS 
 MAPEI
GROUP

Adds value!





Polyglass Base and Interply Membrane

Polyglass U.S.A., Inc. provides a broad range of base and interply membranes which can be used in heat-welded assemblies. Each membrane has been individually crafted to meet the requirements and criteria of a range of roofing systems depending on the particular roof system specifications, warranty requirements, and/or contractor preferences.

Each Polyglass membrane is constructed with a tough reinforcement of either Fiberglass or Polyester which provides **exceptional weather-ability, puncture and tear resistance and long term performance.** These membranes are surfaced with either a fine sand, or polyethylene burn off film, to provide our contractors with a product that satisfies most specified roofing assemblies employing heat welding or cold process applications.

Polyglass U.S.A., Inc. also manufactures self-adhered options featuring our patented **ADESO®** Technology. Unlike traditional products whose manufacturing process is limited to singular compound construction, Polyglass' SA products provide a roofing membrane with an aggressive self-adhesive formula on the bottom side of a strong reinforcement layer, and the choice of either a high quality **SBS** or **APP** modified asphalt on the weathering side as specifications, climate conditions and preference dictate.

Every Polyglass membrane meets or exceeds the minimum requirements of its associated ASTM designation, and can be utilized in warranted systems up to 20 years in accordance with Polyglass warranted system guidelines.

PRODUCTS	COMPOSITION	REINFORCEMENT	SURFACING	THICKNESS	ASTM	ROLL SIZE
Elastoflex S6 (3.0)	SBS	Polyester	Poly/Poly	3.0mm (120 mils)	D-6164	10m x 1m
Elastoflex V (3.0)	SBS	Fiberglass	Poly/Poly	3.0mm (120 mils)	D-6164	10m x 1m
Elastflex S6	SBS	Polyester	Poly/Sand Poly/Poly	2.2mm (90 mils)	D-6164	15m x 1m
Polyglass Base	APP	Fiberglass	Poly/Poly	2.0mm (80 mils)	D-6509	20m x 1m
Elastoflex SA V Plus	SBS	Fiberglass	Poly/Split Release	2.0mm (80 mils)	D-6163; 1970	20m x 1m
Elastoflex SA V	SBS	Fiberglass	Poly/Split Release	1.5mm (60 mils)	D-6163; 1970 (Table 2)	20m x 1m
Elastobase	SBS	Fiberglass	Poly/Poly Poly/Sand	1.5mm (60 mils)	D-6163	20m x 1m
Polyglass G2 Base	Asphalt	Type IV Felt	Non Slip; G2 Base		4601; Type II	30m x 1m

Cap Sheets



Product Description

Polyglass cap sheets are polyester reinforced APP modified Bitumen sheets specifically designed for heat welded applications. Constructed with premium resins and incorporating superior polyester reinforcing, Polyglass APP membranes provide a roof system with exceptional tear and puncture resistance, will provide long term weathering, and meet or exceed all the requirements of ASTM D-6222. Polyglass APP membranes are certified by UL, FM, Dade County and provide Class A Fire Ratings.

Polybond® Membranes

Surface	Thickness
Smooth	3.5 mm (140 mils)
Granular	4.0 mm (160 mils)

Polyflex® Membranes

Surface	Thickness
Smooth	4.0 mm (160 mils)
Granular	4.5 mm (180 mils)

System Features and Benefits

- Proprietary APP and SBS formulations
- Superior reinforcement for exceptional tear and puncture resistance
- Wrinkle resistant; will lay flat for easy installation
- Applied directly over an acceptable substrate or as part of a multi-ply system
- Heat-welded application
- Exceptional weathering characteristics
- New roofing, re-roofing, re-cover and for flashing details
- Available in many colors

System Warranties

Up to **20 year** warranties are available depending on systems used and project conditions. For more information, contact Polyglass' Technical Department.

Examples of Available Warranties:

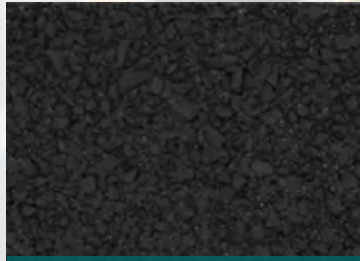
Nailable Decks	Polyglass G2 Base + Polybond G	12 Years
	Elastobase + Polyglass Base + Polybond G	15 Years
	Polyglass G2 Base + Polybond Smooth + Polybond G	20 Years
Non-Nailable Decks or Insulated Decks*	Polyglass G2 Base + Polyflex G	12 Years
	Elastoflex SA V + Polyflex G	15 Years
	Polyglass G2 Base + Polyflex Smooth + Polyflex G	20 Years
	Polyglass Base + Polyflex Smooth + Polyflex G	20 Years

*Applications may require rigid cover board if substrate is not for direct torch application over insulation.

Available Colors



Buff



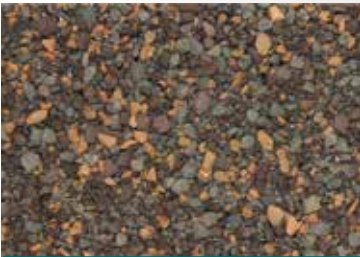
Black



Chestnut



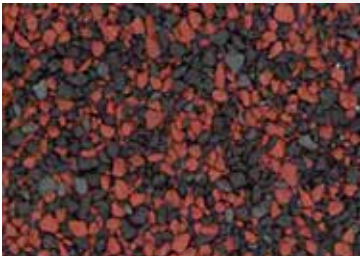
Grey Slate



Heather Blend



Oak



Red Blend



Pine Green



Weatherwood



White

Code Approvals

- ASTM D-6222; Type 1
- Miami Dade Code Compliance
- Factory Mutual Approved
- UL Classified for use in class A, B or C roofs, as listed in the latest UL "Roofing Materials and Systems Directory"
- TDI

About Polyglass®

Polyglass is a leading manufacturer of modified bitumen roofing membranes and roof coatings for low and steep-slope applications. Committed to adding value through innovation, Polyglass utilizes the most technologically advanced manufacturing facilities - three in the United States, and one in Italy which services all of Europe. Polyglass also has offices in Great Britain and Romania.

With its origins as a roofing contracting business, Polyglass became a leading manufacturer of modified bitumen roofing membranes in Europe in the 1960's and introduced its products and technology to the United States in 1992. Since then, Polyglass has grown to be a leading innovator in the roofing industry. Decades of practical experience in the application of roofing and waterproofing materials provide the strong foundation for understanding the importance of customer satisfaction.

Performance You Can Count On

Whatever Polyglass APP modified bitumen membrane you choose, you can be assured of consistent product performance. Benefits of torching Polyglass' APP cap sheets include:

- Quick, easy bleed out that provides an immediate and complete seal at seams
- Efficient flow resulting in a full bond to the substrate
- All season formulation for any weather condition
- Fast, clean application

Polyglass' modified bitumen cap sheets meet or exceed criteria for ASTM D-6222, Type I for both smooth and granular surfaces.

Product Warranties

Polyglass' products are designed to work together as part of a roofing system. When used as part of a multi-ply system, warranties are available up to 20 years. Contact your local Polyglass representative or visit our website to find out more.

www.polyglass.us



Headquarters - Deerfield Beach, FL



Manufacturing Facility - Hazleton, PA



Manufacturing Facility - Winter Haven, FL



Manufacturing Facility - Fernley, NV



POLYGLASS U.S.A., INC.

1111 W Newport Center Drive

Deerfield Beach, FL 33442

(888) 410 - 1375

Fax (954) 418 - 4453

www.polyglass.us

pgmarketing@polyglass.com

Customer Service: (800) 222 - 9782

Technical Support: (866) 802 - 8017



Adds value!