

APP Modified Bitumen Membranes

For Heat-Welded Applications



ROOFING AND WATERPROOFING SYSTEMS
POLYGLASS **Q**
MAPEI
GROUP



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 - five in the United States, and one in Italy which services all of Europe.

With its origins as a roofing contracting business, Polyglass became a leading manufacturer of modified bitumen roofing membranes in Europe in the 1960s 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 D6222, 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



Manufacturing Facility - Waco, TX





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	SBS	Polyester	Poly/Poly	3.0mm (120 mils)	D6164 Type II Available	10m x 1m
Elastoflex V	SBS	Fiberglass	Poly/Poly	3.0mm (120 mils)	D6163	10m x 1m
Polyglass Base	APP	Fiberglass	Poly/Poly	2.0mm (80 mils)	D6509	20m x 1m
Elastoflex SA V	SBS	Fiberglass	Poly/SA	2.0mm (80 mils)	D6163; 1970	20m x 1m
Elastobase	SBS	Fiberglass	Poly/Poly Poly/Sand	2.0mm (80 mils)	D6163	20m x 1m
Polyglass G2 Base	Type IV	Fiberglass	Base Ply-Wrinkle Resistant		D4601; Type II	30m x 1m
Polyflex SA Base	APP	Fiberglass	Mineral/Split Release	1.5mm (60 mils)	D1970	20m 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 D6222. Polyglass APP membranes are certified by UL, FM, Dade County, ICC, TDI, FBC and can be part of a Class A Fire Rated System.

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	4.2 mm (168 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
- Heat-welded application
- Exceptional weathering characteristics
- New roofing, re-roofing, re-cover and for flashing details
- Available in many colors
- Polyflex G is available in FR and Type II

System Warranties

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

Examples of Available Warranties:

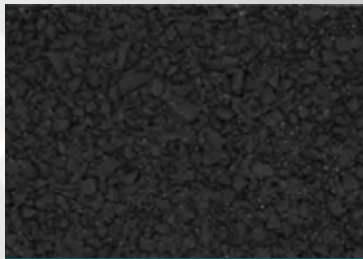
Nailable Decks	Polyglass G2 Base + Polybond G	12 Years
	Elastobase + Polyglass Base + Polybond G	15 Years
	Polyglass G2 Base + Polybond Smooth + Polybond G	20 Years
Non-Nailable Decks or Insulated Decks*	Polyglass G2 Base + Polyflex G	12 Years
	Elastoflex SA V + Polyflex G	15 Years
	Polyglass G2 Base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

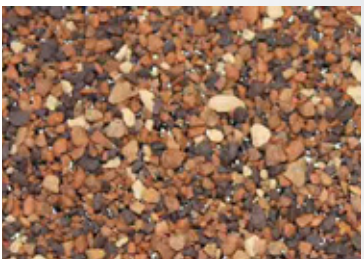
Available Colors



Buff



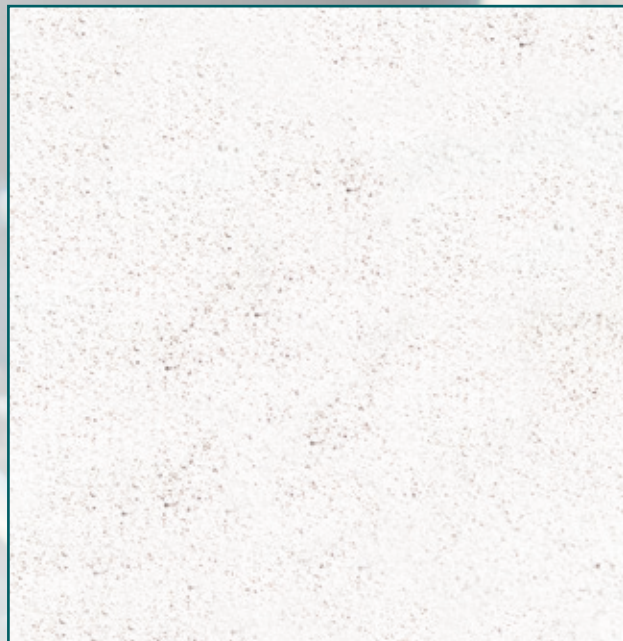
Black



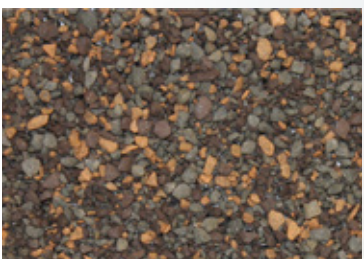
Chestnut



Grey Slate



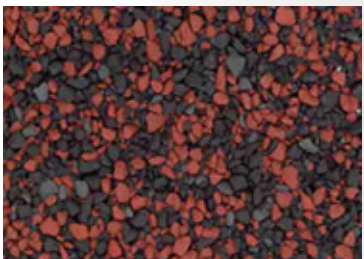
Polyfresko G



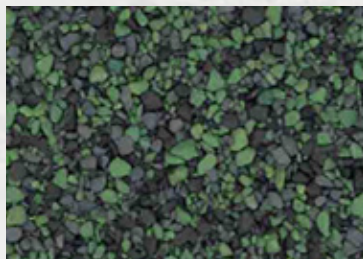
Heather Blend



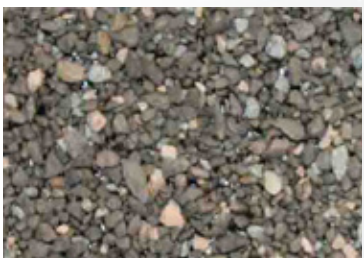
Oak



Red Blend



Pine Green



Weatherwood



White



Applicable Standards

- ASTM D6222
- 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"
- ICC
- TDI
- FBC

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