

Bright White - Highly Reflective

**Kool Roof Solutions®**



**Energy-Saving Excellence**

**POLYGLASS®**  
MAPEI GROUP





At POLYGLASS®, we are committed to delivering innovative Kool Roof Solutions® tailored to your cool roofing needs. Developed in our state-of-the-art laboratories and crafted with the industry's highest-quality raw materials, our proprietary white reflective solutions, including modified bitumen membranes and roof coatings, provide advanced, sustainable, and energy-efficient performance for long-term building value.

***Choose Energy Efficiency Excellence to protect your roof—choose Polyglass Kool Roof Solutions®.***



## Introducing the Polyglass Bright White Family

A versatile range of roofing membrane systems designed to meet diverse Solar Reflective Index (SRI) requirements. With initial SRI values ranging from 85 to 96 and 3-year aged values of 76, these solutions comply with leading energy and building standards, including Miami 21, LEED, Title 24, Denver GBO, and the Chicago Building Code.

### **PREMIUM** BRIGHT WHITE Solutions

Polyfresko® G  
Polyfresko® G SA

### Everyday BRIGHT WHITE Solutions

Elastoflex S6 G  
Polyflex® G  
Polyflex® SA P

### Liquid Applied BRIGHT WHITE Coatings

PolyBrite® 70  
PolyBrite® 70-QS  
PG 700  
PG 700-QS  
PolyBrite® 75  
PolyBrite® 71-HS  
PolyBrite® 24  
PolyBrite® 95  
PolyBrite® 90

### BRIGHT WHITE Roofing Accessories

Polyglass Detail & Repair Finish  
PolyFlash® 1C





# PREMIUM

# BRIGHT WHITE Solutions

## POLYFRESCO®

Featuring patented CURE Technology®, Polyfresko® G cap sheets have a highly reflective granule surface which meets, or exceeds most standards for cool roofing. CURE Technology® features an innovative thin film technology attributing to Polyfresko's exceptional granule retention, minimal staining, scuff resistance and UV stabilization for long-term durability and performance. Available as an APP or SBS membrane, and three installation methods to best suit your application: self-adhered, heat-welded or torch applied. Polyfresko® G also comes in Fire Rated (FR) and High Performance Fire Rated (HP FR) options.

### Features

- Constructed with a polyester reinforcement providing superior tear strength and puncture resistance
- Exceptional granule retention; 0.09g (APP) or 0.11g (SBS) loss vs. ASTM maximum 2.0g
- Stain free, maintains reflectivity and bright white appearance over time
- Solar Reflectance Index (SRI Initial: 96, 3-Year Weathered: 82)
- CRRC Listed, meets most stringent reflective ordinances, including LADBS and Title 24
- For applications directly over acceptable substrates and/or part of multi-ply systems
- Available in FR version - with FM Approval

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](http://coolroofs.org) for important information and disclaimers about CRRC rating conditions, requirements, and limitations.

Solar Reflectance Index (SRI) Initial: 96 Aged: 82

### Only for Polyfresko G

- Burn-off film backing for heat-welded applications
- Minimal "torch scorch" for improved aesthetics

### Only for Polyfresko G SA

- ADESO® Self-Adhered Technology provides ease of installation and no fumes
- No asphalt bleed-out at seams for clean appearance



Product	Product Modifier	Net Coverage (Approx)	Weight	Nominal Thickness	ASTM	California Title 24	LA DBS	UL	FM	ICC-ES	FBC	Miami-Dade	TDI
Polyfresko® G	APP	100ft² (9.3m²)	110lbs (50kg)	165mils (4.2mm)	D6222, Type I	✓	✓	✓	✓	✓	✓	✓	✓
Polyfresko® G FR	APP	100ft² (9.3m²)	117lbs (53kg)	165mils (4.2mm)	D6222, Type I	✓	✓	✓	✓	✓	✓	✓	✓
Polyfresko® G HP FR	APP	100ft² (9.3m²)	116lbs (53kg)	173mils (4.4mm)	D6222, Type II	✓	✓	✓	✓				
Polyfresko® G SBS	SBS	100ft² (9.3m²)	97lbs (43kg)	160mils (4.0mm)	D6164, Type I	✓	✓	✓	✓	✓	✓	✓	✓
Polyfresko® G SBS FR	SBS	100ft² (9.3m²)	97lbs (43kg)	160mils (4.0mm)	D6164, Type I	✓	✓	✓	✓	✓	✓	✓	✓
Polyfresko® G SBS HP FR	SBS	100ft² (9.3m²)	110lbs (50kg)	165mils (4.2mm)	D6164, Type II	✓	✓	✓			✓	✓	✓
Polyfresko® G SA	APP	100ft² (9.3m²)	90lbs (41kg)	150mils (3.8mm)	D6222, Type I	✓	✓	✓	✓	✓	✓	✓	✓
Polyfresko® G SA FR	APP	100ft² (9.3m²)	90lbs (41kg)	160mils (4.0mm)	D6222, Type I	✓	✓	✓	✓	✓	✓	✓	✓
Polyfresko® G SBS SA	SBS	100ft² (9.3m²)	88lbs (40kg)	142mils (3.6mm)	D6164, Type I	✓	✓	✓	✓	✓	✓	✓	✓
Polyfresko® G SBS SA FR	SBS	100ft² (9.3m²)	88lbs (40kg)	142mils (3.6mm)	D6164, Type I	✓	✓	✓	✓	✓	✓	✓	✓





# Everyday BRIGHT WHITE Solutions

Bright White membranes are Polyglass' latest option to meet most cool roof requirements with a traditional granule surfacing.

Polyglass' Bright White line truly shines in areas where highly reflective roofs are desired, and/or specified. Bright White membranes feature an initial SRI of 85 and a 3-yr aged value of \*CRRC Rapid Ratings: Interim laboratory-aged values, meeting ordinances such as Miami 21, LEED, Title 24, Denver GBO, and Chicago Building Code.

## ELASTOFLEX S6 G:

Our superior SBS modified bitumen roofing membrane reinforced with a non-woven polyester reinforcement, ideal for heat-welded, cold-applied and hot mop applications, now featuring Bright White granules to meet most cool roof requirements.



## POLYFLEX® G:


Our APP granulated cap sheet for use in low-slope roofing and specially designed for heat welded applications is now part of the Bright White line of Polyglass products providing solutions that combine achieving cool roof reflectivity requirements and the reliability of a heat welded multi-layer roofing system.



## POLYFLEX® SA P:

Our Self-Adhered APP membrane combines Polyglass' most innovative technologies. ADESO® Self-Adhered Technology and newly developed Bright White granules.



 <p><b>CRRC</b> COOL ROOF RATING COUNCIL®</p> <p><b>RAPID RATINGS</b></p> <p><small>*CRRC Rapid Ratings: Interim laboratory-aged values that simulate naturally-aged values and will be replaced by the measured three-year naturally-aged values upon completion of the weathering process.</small></p>	Rated Product ID #: 0616-0047		
		Initial	Aged
	Solar Reflectance	0.69	0.62*
	Thermal Emittance	0.92	0.93*

Solar Reflectance Index (SRI) Initial: 85 Aged: 76\*





# Liquid Applied **BRIGHT WHITE** Coatings

To complete the line of Polyglass Bright White products, our white elastomeric roof coatings provide solutions that meet and exceed the same range of SRI values to meet codes. Ideal solutions for roof restoration projects, Polyglass' line of acrylic and silicones products ensure a cost-effective alternative to extend the life of an existing roof, giving it a brand new reflective look.

## **ACRYLICS:**

### **PolyBrite® 70**

Premium Grade Elastomeric Roof Coating

### **PolyBrite® 70-QS**

Quick Setting Premium Grade Elastomeric Roof Coating

### **PG 700**

High Quality Elastomeric Coating

### **PG 700-QS**

Quick Setting High Quality Elastomeric Coating

### **PolyBrite® 75**

High Tensile Premium Elastomeric Roof Coating

### **PolyBrite® 71-HS**

High Solids Premium Grade Elastomeric Roof Coating

### **PolyBrite® 24**

Water Based Elastomeric Roof Coating

## **SILICONES:**

### **PolyBrite® 95**

Silicone Roof Coating

### **PolyBrite® 90**

High solids Silicone Roof Coating





# BRIGHT WHITE Roofing Accessories

## POLYGLASS DETAIL & REPAIR FINISH:

Utilized to touch-up flashing details when installing Polyfresko® G systems, this product will enhance granule retention and provide improved abrasion and scuff resistance.



## POLYFLASH® 1C:

This state-of-the-art silane modified polyurethane, used in combination with PolyBrite® reinforcing polyester fabric, is the ultimate flashing compound to seal all Bright White polyglass' systems, from Polyfresko® to Bright White cap sheets and Elastomeric Roof Coatings, PolyFlash® 1C permanently solves typical and challenging flashing needs.



**PREMIUM** Roofing Accessory

**POLYFLASH®**  
**1C** ONE PART  
FLASHING  
COMPOUND





Polyglass provides a variety of accessories to ensure that you complete a quality roof system.

- Primers
- Flashing Compounds
- Modified Cements and Adhesives
- Edge Metal

**And More!**



**Scan to learn more!**







## About Our Proprietary TECHNOLOGIES



### 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.

#### Features & Benefits

- Labor savings with fast and clean installation
- Safe, no open flame application
- Superior watertight sealing
- Versatile roof systems for commercial and residential projects
- Long-term warranty protection
- Adheres to a variety of substrates
- Polyester or fiberglass reinforced
- Polar products available for cold weather application (25° F - 60° F)



#### Dual Compound

Combines a true APP or SBS compound top weathering surface with an aggressive self-adhesive compound on the bottom surface.



#### SEALLap® ULTRA

Instant side lap bond, tested stronger than all other application methods. This SA to SA bond provides a completely monolithic seal.



#### Multiple Surface Solutions

Provides solution for any roofing system need, allows a wide variety of surfacing options.



#### FASTLap®

Save time and labor with granule free end laps.



Competitor Granulated Cap Sheet



Polyglass FASTLap Granule Free End Laps





## About Our Proprietary TECHNOLOGIES



### WHAT IS CURE® TECHNOLOGY?

CURE Technology® is a patented thin film technology, resulting in a modified bitumen membrane with greatly enhanced performance benefits without compromising the ease of installation and overall value expected from Polyglass products.

#### Features & Benefits

- Featured on all Polyfresko® cap sheets
- Vastly improved surface reflectivity and membrane emissivity
- Exceptional granule adhesion
- Ultraviolet stabilizers resulting in greater durability and longevity
- Minimal scorching with torch application
- Impact, scuff and stain resistant
- Mold and fungus resistant
- Solvent-free and environmentally friendly



#### Stain-Free

Minimal staining on the surface of the cap sheet; significantly resists discoloration. Maintains its color integrity over time.



#### Granule Adhesion

Superior granule adhesion, minimal loss of granules when exposed to foot traffic and other elements.



#### Reflectivity

Initial reflectivity ratings above industry standards, maintains reflectivity performance over time.



#### Thin Film Technology

Minimal surface finishing while maintaining granule appearance, increased durability and improved reflectivity.

### AFTER 20 YEARS

Product samples shown after approximately 20 years of simulated accelerated weathering.



Polyfresko G



Competitor A



Competitor B



Competitor C





*Our Highly Reflective Solutions provide the building owner a sustainable solution in extending the useful life of the roof while decreasing the temperature of the building.*





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