



White Elastomeric Roof Coatings

The Potential to **Reduce Energy Costs** While Extending the Useful Life of Your Roof



POLYGLASS QUALITY

Polyglass is committed to providing Kool Roof Solutions™ for your cool roofing needs. Our Kool Roof Solutions™ are proprietary formulations developed in our state-of-the-art laboratories and manufactured with some of the industry's highest quality raw materials. Whether it's our white elastomeric coatings or modified bitumen membranes, Polyglass is driven to develop advanced energy-saving roofing solutions which deliver long-term value for the building owner.



White Elastomeric Coatings

The Intelligent Choice for Premium Roof Protection

Cool roof reflective coatings protect your roof from deterioration caused by heat absorption and UV radiation due to the sun. White elastomeric coatings provide a highly reflective, seamless barrier against corrosive elements that lead to moisture penetration and damaging leaks. When installed, white elastomeric coatings will provide roof protection and can avoid costly roof replacements.

Polyglass' premium white elastomeric coatings are part of its KOOL ROOF SOLUTIONS™ - offering you long-term solutions to help keep your building cool and are kind to the environment. Polyglass' Polybrite® 70 and PG 700 are ENERGY STAR® rated, CA Title 24 compliant and Cool Roof Rating Council (CRRC®) listed with a solar reflectance of 87, thermal emittance of 90 and a solar reflectance index (SRI) of 110.

When choosing a solution to protect your roof, make the **intelligent choice** by using Polyglass' premium white elastomeric coatings as part of Polyglass' Kool Roof Solutions.

Surface Temperatures of Various Roof Surfaces:

Conditions: Ambient Temperature: 88 degrees (°F), Clear Skies, Central Florida

Polybrite® 70	93°F
Concrete	150°F
Aluminum Coating	159°F
White Granulated Membrane	170°F
Black Single Ply	185°F
Black Roof Coating	195°F

Cool roof technology allows the building owner to extend the useful life of the roof while decreasing roof temperature.



	Initial	Weathered
Solar Reflectance	0.87	0.75
Thermal Emittance	0.90	0.90
Solar Reflectance Index (SRI)	110	93
Rated Product ID Number	0616-0006 / 0616-0007	
Licensed Seller ID Number	0616	
Classification	Field Applied Coating	

Cool Roof Rating Council ratings are determined for a fixed set of conditions, and may not be appropriate for determining seasonal energy performance. The actual effect of solar reflectance and thermal emittance on building performance may vary. Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Council procedures

Polybrite® 70 - PG 700

The Polyglass Elastomeric Roof Coating System offers a **complete solution** enabling a smooth, continuous surface with outstanding adhesion:



Product	Description
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Polybrite® 70	Premium Grade Bright White Coating
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Polybrite® 72	Bright White Flashing Compound
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Polybrite® 74	Light Blue Rust Inhibitor
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Polybrite® 76	Base Coat for Stain Blocking and Enhanced Standing Water Resistance
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Product	Description
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PG 700	High Quality Bright White Coating
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PG 800	Asphalt Emulsion
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Polybrite® Fabric	Stitchbond Polyester Fabric
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* For more information on Polyglass roof coatings, please contact your local Polyglass Sales Representative or visit www.polyglass.com for the latest Product Data Sheets.

Polyglass Elastomeric Reflective Coating System

Typical Application Rates

BUR/Modifieds:	1) PG 800 /embedded fabric / Polybrite 72 for the details / 2 coats of Polybrite 70 2) Polybrite 76 /embedded fabric / Polybrite 72 for the details / 2 coats of Polybrite 70
Metal	Polybrite 72 for fasteners and seams (may require fabric) / Polybrite 74 for rusting areas / 2 coats of Polybrite 70
Single Ply:	2 to 3 coats Polybrite 70
PUF:	2 to 3 coats Polybrite 70



The flexibility to determine the level of protection

BUR/SBS & APP Modified

- 1) Polybrite 72 details/2 coats of PG 700
- 2) Polybrite 72 details/2 coats of Polybrite 70
- 3) PG 800 Emulsion/Polybrite 72 details/2 coats of PG 700
- 4) PG 800 Emulsion/Polybrite 72 details/2 coats of Polybrite 70
- 5) PG 800 Emulsion/Fabric/Polybrite 72 details/2 coats of PG 700
- 6) PG 800 Emulsion/Fabric/Polybrite 72 details/2 coats of Polybrite 70

GOOD
BETTER
BEST

What makes Polybrite 70 superior?

- Conforms ASTM-D 6083, UL Classified and FM Approved
- Higher TiO₂ levels and other premium filling agents
- 10+ year systems warranty available when used as an approved system

Polyglass Elastomeric Roof Coating System

- Extends the useful life of the roof
- Offers excellent resistance to extended exposure to solar ultraviolet energy
- Compliant with the stringent standards of Cool Roof Rating Council (CRRC®), California Title 24 and Houston & Chicago Commercial Energy Codes
- Can reduce energy costs by decreasing roof surface temperature
- Offers high tensile strength and elongation
- Resists dirt pick-up
- Fungal and algal resistant – even in high humidity conditions
- Low VOC, non-flammable and presents minimal hazard to the applicator or the environment



Product Approvals





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