

Kool Roof Solutions™

White Reflective Membranes and Coatings



polyglass.us

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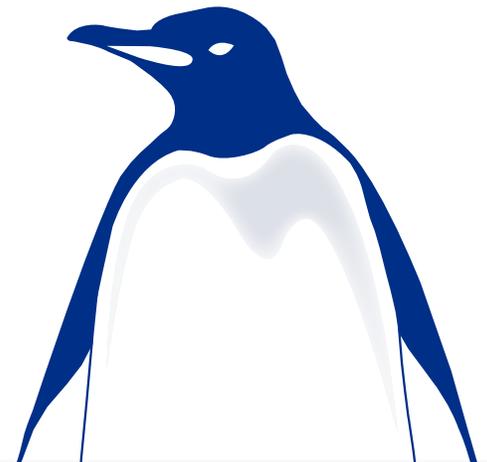
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The Intelligent Choice for Premium Roof Protection

POLYGLASS® is committed to providing Kool Roof Solutions for your cool roofing needs. Our white reflective Kool Roof Solutions are proprietary formulations developed in our state-of-the-art laboratories and manufactured with the industry's highest quality raw materials. Whether it's our modified bitumen membranes or white roof coatings, Polyglass is driven to develop advanced, sustainable, energy-saving roofing solutions which deliver long-term value for the building owner. When choosing a solution to protect your roof, make the intelligent choice by using Polyglass Kool Roof Solutions.



“Cool roof technology provides the building owner a sustainable solution in extending the useful life of the roof while decreasing the temperature of the building.”



POLYGLASS CURE Technology



What is CURE Technology?

CURE Technology is a patented thin film technology incorporated during the manufacturing process. The result is a modified bitumen membrane with greatly enhanced performance benefits without compromising the ease of installation and overall value expected from Polyglass products.

CURE stands for:

- **C**eramic microspheres
- **U**ltraviolet stabilizers
- **R**esins
- **E**nvironmentally-friendly

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, even over time.



Reflectivity

ENERGY STAR® certified with an initial reflectivity above industry standards, maintains reflectivity performance over time.



Granule Adhesion

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



Thin Film Technology

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



POLYGLASS

Self-Adhered (SA) Membranes

What is ADESO Technology?

ADESO Technology revolutionized the modified bitumen industry by manufacturing dual-compound self-adhered 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

- 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



Dual-Compound

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



FASTLap®

Save time and labor with granule free end laps.



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 to any roofing system need, allows a wide variety of surfacing options



POLYFRESKO G

HIGHLY REFLECTIVE WHITE APP CAP SHEET

Polyfresko G is a premium APP (plastomeric) modified bitumen roofing membrane specifically designed for torch applications. Polyfresko G has a highly-reflective granular surface and features patented CURE Technology – a thin film technology applied during the manufacturing process resulting in a roof surface resistant to granule loss and discoloration.

- Constructed with a polyester reinforcement providing superior tear strength and puncture resistance
- Designed for heat-welded applications
- For applications directly over acceptable substrates and/or part of multi-ply systems
- Now featuring FASTLap granule-free roll ends

Features

- ASTM D6222, Type I
- Patented CURE Technology
- Patented FASTLap granule-free roll ends
- Proprietary All Season APP compound suitable for many types of installation methods
- UL Class A Fire Rating, on approved assemblies
- ENERGY STAR® certified
- Can be used to comply with 2016 Title 24 Part 6 Cool Roof Requirements
- Available in FR version



Benefits

- Maintains reflectivity and bright white appearance
- Exceptional granule retention; 0.09g loss vs ASTM max 2.0g
- Stain resistant

| | | | |
|--|---------------------------|-------------------|------------------|
| | | Initial | Weathered |
| | Solar Reflectance | 0.77 | 0.68 |
| | Thermal Emittance | 0.90 | 0.88 |
| | Rated Product ID Number | 0616-0011a | |
| | Licensed Seller ID Number | 0616 | |
| | Classification | Production Line | |
| <p>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.</p> <p>Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.</p> | | | |

Solar Reflectance Index (SRI) Initial: 96 Weathered: 83



POLYFRESKO G SA

HIGHLY REFLECTIVE WHITE SELF-ADHERED APP CAP SHEET

Polyfresko G SA is a highly reflective granular surfaced APP (plastomeric) modified bitumen roofing membrane meant for self-adhering application. Polyfresko G SA is manufactured using patented ADESO Dual-Compound Self-Adhered Technology. Polyfresko G SA also features patented FASTLap for granule free roll ends, as well as SEALLap ULTRA, a side lap with self-adhesive compound for an instant bond, tested stronger than all other application methods. Polyfresko G SA has a highly reflective granular surface and features patented CURE Technology- a thin film technology applied during the manufacturing process resulting in a roof surface resistant to granule loss and discoloration.

- Constructed with a polyester reinforcement providing superior tear strength and puncture resistance
- Designed for self-adhered applications
- For applications directly over acceptable substrates and/or part of multi-ply systems

Features

- ASTM D6222, Type I
- Patented CURE Technology
- Patented ADESO Technology
- Patented SEALLap ULTRA Technology
- Patented FASTLap granule-free roll ends
- UL Class A Fire Rating, on approved assemblies
- ENERGY STAR® certified
- Can be used to comply with 2016 Title 24 Part 6 Cool Roof Requirements
- Available in FR version with FM Approval



Benefits

- Maintains reflectivity and bright white appearance
- Exceptional granule retention; 0.09g loss vs ASTM max 2.0g
- Stain resistant
- ADESO Self-Adhered Technology provides ease of installation and no fumes
- No asphalt bleed-out at seams for clean appearance

| | | | |
|--|---------------------------|-------------------|------------------|
| | | Initial | Weathered |
| | Solar Reflectance | 0.77 | 0.68 |
| | Thermal Emittance | 0.90 | 0.88 |
| | Rated Product ID Number | 0616-0011a | |
| | Licensed Seller ID Number | 0616 | |
| | Classification | Production Line | |
| <p>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.</p> <p>Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.</p> | | | |



Solar Reflectance Index (SRI) Initial: 96 Weathered: 83



POLYFRESKO G SA



POLYFRESKO G SBS

HIGHLY REFLECTIVE WHITE SBS CAP SHEET

Polyfresko G SBS is a premium modified bitumen SBS (elastomeric) roofing membrane available with a polyolefin film for torch applications. Polyfresko G SBS has a highly-reflective granular surface and features patented CURE Technology - a thin film technology that is applied during the manufacturing process resulting in a roof surface resistant to granule loss and discoloration.

- Bright white, Polyfresko G SBS membrane maintains its reflectivity and white appearance
- Constructed with a polyester reinforcement providing superior tear strength and puncture resistance
- Film back designed for torch applications
- For application directly over acceptable substrates and/or part of multi-ply systems
- Now featuring FASTLap granule-free roll ends

Features

- ASTM D6164, Type I
- Patented CURE Technology
- Patented FASTLap granule-free roll ends
- Premium SBS compound formulation
- Can be used to comply with 2016 Title 24 Part 6 Cool Roof Requirements
- UL Class A Fire Rating, on approved assemblies
- ENERGY STAR® certified
- Available in FR version

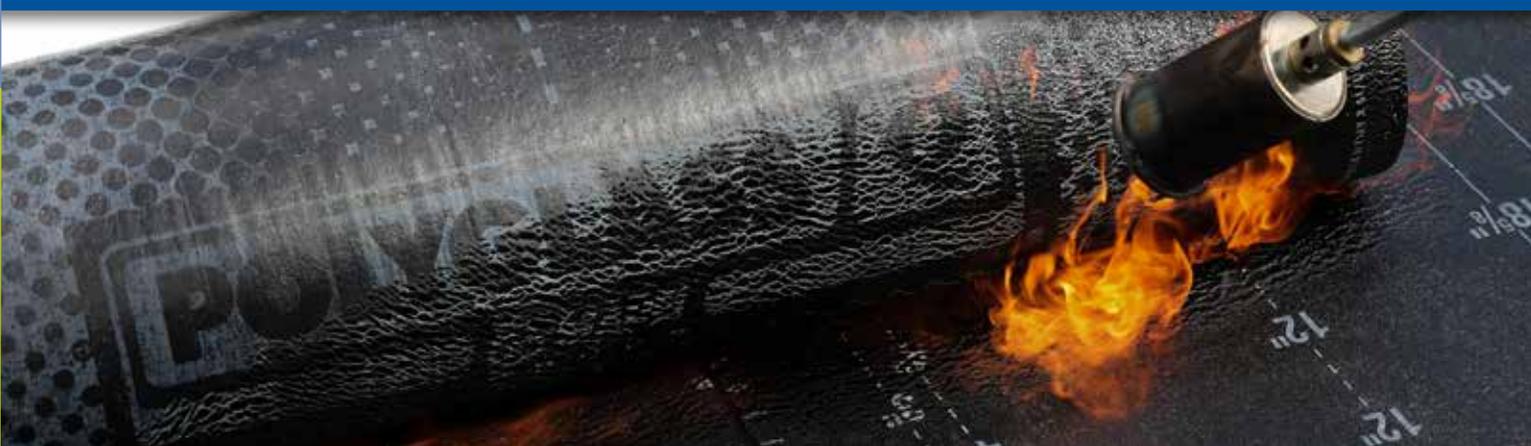
| | | | |
|--|---------------------------|-------------------|------------------|
|  <p>CRRCC COOL ROOF RATING COUNCIL</p> | | Initial | Weathered |
| | Solar Reflectance | 0.77 | 0.68 |
| | Thermal Emittance | 0.90 | 0.88 |
| | Rated Product ID Number | 0616-0011a | |
| | Licensed Seller ID Number | 0616 | |
| | Classification | Production Line | |
| <p>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.</p> <p>Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.</p> | | | |

Solar Reflectance Index (SRI) Initial: 96 Weathered: 83



Benefits

- Maintains reflectivity and bright white appearance
- Exceptional granule retention; 0.11g loss vs ASTM max 2.0g
- Stain resistant



POLYFRESKO® G SBS SA

HIGHLY REFLECTIVE WHITE SELF-ADHERED SBS GRANULATED CAP SHEET

Polyfresko G SBS SA is a highly reflective granular surfaced SBS (elastomeric) modified bitumen roofing membrane meant for self-adhered applications. Polyfresko G SBS SA is manufactured using patented ADESO Dual-Compound Self-Adhered Technology. Polyfresko G SBS SA also features patented FASTLap for granule free roll ends, as well as SEALLap ULTRA, a side lap with self-adhesive compound for an instant bond, tested stronger than all other application methods. Polyfresko G SBS SA has a highly reflective granular surface and features patented CURE Technology - a thin film technology applied during the manufacturing process resulting in a roof surface resistant to granule loss and discoloration.

- Constructed with a polyester reinforcement providing superior tear strength and puncture resistance
- Designed for self-adhering applications
- For applications directly over acceptable substrates and/or part of multi-ply systems

Features

- ASTM D6164, Type I
- Patented CURE Technology
- Patented ADESO Technology
- Patented SEALLap ULTRA Technology
- Patented FASTLap granule-free roll ends
- UL Class A Fire Rating, on approved assemblies
- ENERGY STAR® certified
- Can be used to comply with 2016 Title 24 Part 6 Cool Roof Requirements
- Available in FR version with FM Approval



Benefits

- Maintains reflectivity and bright white appearance
- Exceptional granule retention; 0.1 g loss vs ASTM max 2.0g
- Stain resistant
- ADESO Self-Adhered Technology provides ease of installation and no fumes
- No asphalt bleed-out at seams for clean appearance

| | | | |
|--|---------------------------|-------------------|------------------|
|  | | Initial | Weathered |
| | Solar Reflectance | 0.77 | 0.68 |
| | Thermal Emittance | 0.90 | 0.88 |
| | Rated Product ID Number | 0616-0011a | |
| | Licensed Seller ID Number | 0616 | |
| | Classification | Production Line | |
| <p>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.</p> <p>Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.</p> | | | |

Solar Reflectance Index (SRI) Initial: 96 Weathered: 83



POLYFRESKO G SBS SA



POLYFRESKO® G HP FR

HIGHLY REFLECTIVE WHITE APP CAP SHEET

Polyfresko G HP FR is a premium, fire-rated, APP (plastomeric) modified bitumen roofing membrane specifically designed for torch applications. Featuring patent-pending CURE Technology, Polyfresko G FR has a highly reflective granule surface which meets, or exceeds most standards for cool roofing and is listed with the Cool Roof Rating Council (CRRC) with an SRI of 96.

- Constructed with a high performance polyester reinforcement providing exceptional tear strength and puncture resistance
- Designed for heat-welded application
- For application directly over acceptable substrates and/or part of multi-ply systems
- Ideal for new roofing, re-roofing, and flashing details
- Now featuring FASTLap granule-free roll ends

Features

- ASTM D6222, Type II
- High performance polyester mat
- Patented CURE Technology
- Patented FASTLap granule-free roll ends
- Proprietary All Season APP compound suitable for many types of installation methods
- UL Class A Fire Rating, on approved assemblies
- ENERGY STAR® certified
- Can be used to comply with 2016 Title 24 Part 6 Cool Roof Requirements



Benefits

- Maintains reflectivity and bright white appearance
- Exceptional granule retention; 0.09g loss vs ASTM max 2.0g
- Stain resistant

| | | | |
|--|---------------------------|-------------------|-------------|
|  | Initial | Weathered | |
| | Solar Reflectance | 0.77 | 0.68 |
| | Thermal Emittance | 0.90 | 0.88 |
| | Rated Product ID Number | 0616-0011a | |
| | Licensed Seller ID Number | 0616 | |
| | Classification | Production Line | |
| <p>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.</p> <p>Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.</p> | | | |

Solar Reflectance Index (SRI) Initial: 96 Weathered: 83



POLYFRESKO® G SBS HP FR

HIGHLY REFLECTIVE WHITE SBS CAP SHEET

Polyfresko G SBS HP FR is a premium SBS (elastomeric) modified bitumen roofing membrane designed for torch applications. Featuring patented CURE Technology, Polyfresko G SBS HP FR has a highly reflective granule surface which meets or exceeds applicable standards for cool roofing and is listed with the Cool Roof Rating Council (CRRC) with an SRI of 96.

- Constructed with a high performance polyester reinforcement providing exceptional tear strength and puncture resistance
- Bright white, Polyfresko G SBS membrane maintains its reflectivity and white appearance
- Film back designed for torch applications
- For application directly over acceptable substrates and/or part of multi-ply systems
- Now featuring FASTLap granule-free roll ends

Features

- ASTM D6164, Type II
- Patented CURE Technology
- Patented FASTLap granule-free roll ends
- High performance polyester mat
- UL Class A Fire Rating, on approved assemblies
- ENERGY STAR® certified
- Can be used to comply with 2016 Title 24 Part 6 Cool Roof Requirements

| | | | |
|--|--------------------------|-------------------|------------------|
|  <p>CRRC COOL ROOF RATING COUNCIL</p> | | Initial | Weathered |
| | Solar Reflectance | 0.77 | 0.68 |
| | Thermal Emittance | 0.90 | 0.88 |
| | Rated Product ID Number | 0616-0011a | |
| Licensed Seller ID Number | 0616 | | |
| Classification | Production Line | | |
| <p>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.</p> <p>Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.</p> | | | |

Solar Reflectance Index (SRI) Initial: 96 Weathered: 83



Benefits

- Maintains reflectivity and bright white appearance
- Exceptional granule retention; 0.11g loss vs ASTM max 2.0g
- Stain resistant



POLYFRESKO® G SBS HP FR



POLYBRITE 70

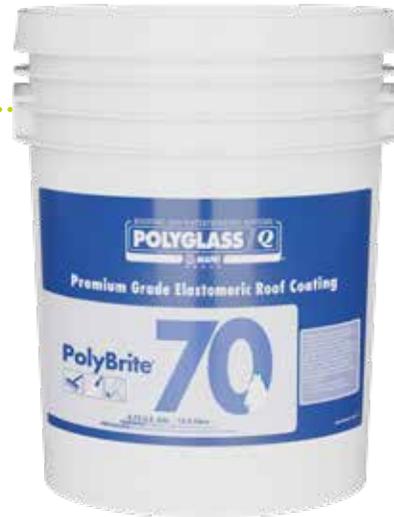
PREMIUM GRADE ELASTOMERIC ROOF COATING

PolyBrite 70 is a 100% acrylic, premium grade water-based elastomeric coating available in white or as tinted, which cures to form a seamless membrane when applied over the entire roof area. PolyBrite 70 has higher TiO2 levels and other premium filling agents. Available in 4.75 (17.9 Liters) gallon pails, 50 (189 Liters) gallon drums, and 275 (1039.5 Liters) gallon totes.

- Suitable for use on various BUR and polymer modified roof membranes with smooth and mineral surfaces, most metal roof systems, thermoplastic and thermoset single-ply membranes (a primer may be required), concrete, exterior-grade plywood, rigid coverboards such as Dens-Deck and Securock
- Suitable for use on cementitious stucco, EIFS and other masonry surfaces

Features

- ASTM D6083
- UL Class A Fire Rating
- High tensile strength and elongation
- Low VOC, non-flammable and presents minimal hazard to the environment
- Can be used to comply with 2016 Title 24 Part 6 Cool Roof Requirements (white only)



Benefits

- Extends the life cycle of new and existing roof systems
- Keeps the roof surface cool
- UV resistant
- Resistant to dirt pick-up
- Fungal and algae resistant

| | | | |
|--|---------------------------|------------------|------------------|
|  | | <u>Initial</u> | <u>Weathered</u> |
| | Solar Reflectance | 0.87 | 0.75 |
| | Thermal Emittance | 0.90 | 0.90 |
| | Rated Product ID Number | 0616-0006 | |
| | Licensed Seller ID Number | 0616 | |
| | Classification | Production Line | |
| <p>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.</p> <p>Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.</p> | | | |

Solar Reflectance Index (SRI) Initial: 110 Weathered: 93 (CRRC listing is for white only)

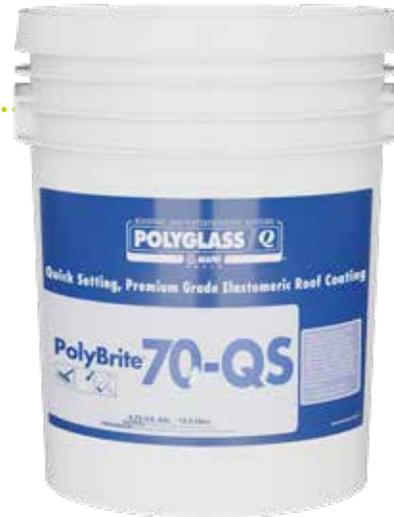


POLYBRITE 70-QS

QUICK SETTING PREMIUM GRADE ELASTOMERIC ROOF COATING

PolyBrite 70-QS is a premium grade water-based elastomeric coating available in white or as tinted, which cures to form a seamless membrane when applied over the entire roof area. PolyBrite 70-QS offers the ability to extend the life cycle of new and existing roof systems, in addition to keeping the surface cool, providing protection from ultraviolet sun and other weather exposures. PolyBrite 70-QS employs a quick set polymer which can provide some resistance to early rain exposure. Available in 4.75 (17.9 Liters) gallon pails, 50 (189 Liters) gallon drums, and 275 (1039.5 Liters) gallon totes.

- Suitable for use on various conventional BUR and polymer modified roof membranes with mineral surfacing, sprayed polyurethane foam, most metal roof systems, single-ply membranes (primers or special precautions may be required), concrete, exterior-grade plywood, rigid coverboards such as Dens-Deck and Securock. A substrate adhesion test is recommended prior to product application.
- Suitable for use on cementitious stucco, EIFS and other masonry surfaces.



Features

- ASTM D6083
- UL Class A Fire Rating
- High tensile strength and elongation
- Low VOC, non-flammable and presents minimal hazard to the environment
- Can be used to comply with 2016 Title 24 Part 6 Cool Roof Requirements (white only)

Benefits

- UV resistant
- Extends the life cycle of new and existing roof systems
- Keeps the roof surface cool
- Fungal and algae resistant
- Resistant to dirt pick up

| | | | |
|--|---------------------------|------------------|------------------|
|  | | Initial | Weathered |
| | Solar Reflectance | 0.87 | 0.75 |
| | Thermal Emittance | 0.90 | 0.90 |
| | Rated Product ID Number | 0616-0006 | |
| | Licensed Seller ID Number | 0616 | |
| | Classification | Production Line | |
| <p>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.</p> <p>Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.</p> | | | |

Solar Reflectance Index (SRI) Initial: 110 Weathered: 93 (CRRC listing is for white only)



POLYBRITE



PG 700

HIGH QUALITY ELASTOMERIC ROOF COATING

PG 700 is a high quality water-based elastomeric coating available in white or as tinted, which cures to form a seamless membrane when applied over the entire roof area. Available in bright white and grey in 4.75 (17.9 Liters) gallon pails, 50 (189 Liters) gallon drums, and 275 (1039.5 Liters) gallon totes.

- Suitable for use on various BUR (smooth) and polymer modified roof membranes and mineral surfaces, most metal roof systems, thermoplastic and thermoset single-ply membranes (a primer may be required), concrete, exterior-grade plywood, rigid coverboards such as Dens-Deck and Securock
- Suitable for use on cementitious stucco, EIFS and other masonry surfaces



Features

- ASTM D6083
- High tensile strength and elongation
- Low VOC, non-flammable and presents minimal hazard to applicator or the environment
- Can be used to comply with 2016 Title 24 Part 6 Cool Roof Requirements (white only)

Benefits

- Extends the useful life of the roof
- UV resistant
- Resistant to dirt pick-up

| | | | |
|--|--------------------------|------------------|------------------|
|  | | Initial | Weathered |
| | Solar Reflectance | 0.87 | 0.75 |
| | Thermal Emittance | 0.90 | 0.90 |
| | Rated Product ID Number | 0616-0007 | |
| Licensed Seller ID Number | 0616 | | |
| Classification | Production Line | | |
| <p>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.</p> <p>Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.</p> | | | |

Solar Reflectance Index (SRI) Initial: 110 Weathered: 93 (CRRC listing is for white only)

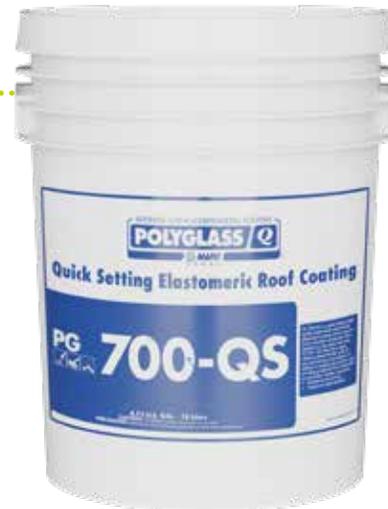


PG 700-QS

QUICK SETTING HIGH QUALITY ELASTOMERIC ROOF COATING

PG 700-QS is a high quality water-based elastomeric coating available in white or as tinted, which cures to form a seamless membrane when applied over the entire roof area. In addition to keeping the surface cool, PG 700-QS extends the life cycle of new and existing roof systems, providing protection from ultraviolet sun and other weather exposures. PG 700-QS employs a quick setting polymer which can provide some resistance to early rain exposure. Available in 4.75 (17.9 Liters) gallon pails, 50 (189 Liters) gallon drums, and 275 (1039.5 Liters) gallon totes.

- Suitable for use on various conventional BUR and polymer modified roof membranes with mineral surfacing, spray polyurethane foam, most metal roof systems, single-ply membranes (primers or special precautions may be required), concrete, exterior-grade plywood, rigid coverboards such as Dens-Deck and Securock. A substrate adhesion test is recommended prior to product application.
- Suitable for use on cementitious stucco, EIFS and other masonry surfaces.



Features

- ASTM D6083
- High tensile strength and elongation
- Low VOC, non-flammable and presents minimal hazard to applicator or the environment
- Can be used to comply with 2016 Title 24 Part 6 Cool Roof Requirements (white only)

Benefits

- Extends the useful life of the roof
- UV resistant
- Resistant to dirt pick-up

| | | | |
|--|--------------------------|------------------|------------------|
|  | | Initial | Weathered |
| | Solar Reflectance | 0.87 | 0.75 |
| | Thermal Emittance | 0.90 | 0.90 |
| | Rated Product ID Number | 0616-0007 | |
| Licensed Seller ID Number | 0616 | | |
| Classification | Production Line | | |
| <p>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.</p> <p>Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.</p> | | | |

Solar Reflectance Index (SRI) Initial: 110 Weathered: 93 (CRRC listing is for white only)



PG 700-QS



POLYBRITE 75

HIGH TENSILE PREMIUM ELASTOMERIC ROOF COATING

PolyBrite 75 is a high tensile, superior grade water-based elastomeric coating. This proprietary formulation using 100% acrylic resins cures to form a seamless fluid applied roof membrane. PolyBrite 75 conforms with ASTM D6083 Standard Specification for Acrylic Roof Coatings and can be used as either a base or surface coat. This product has excellent adhesion to polyurethane foam (SPUF) and a variety of other construction and roofing substrates, and can exceed the expected tensile strength of typical acrylic roof coatings. Available in 4.75 (17.9 Liters) gallon pails, 50 (189 Liters) gallon drums, and 275 (1039.5 Liters) gallon totes.

- Prolongs the life of built-up and modified bitumen roofing
- Approved over SPUF, most metal roofs, concrete, exterior grade plywood, rigid coverboards, and thermoplastic and thermoset membranes (May require primer)

Features

- ASTM D6083
- Excellent exterior durability on roof exposure
- Good adhesion to polyurethane foam and many other construction substrates
- Flexible at low temperatures
- Excellent elongation at temperatures down to -15°F
- UL Class A Fire Rating



Benefits

- Excellent dirt pick-up resistance
- Better hail resistance than typical elastomeric roof coatings
- UV resistant
- Excellent toughness to withstand foot traffic and routine rooftop maintenance activities
- Low toxicity and odor
- Easy application and simple cleanup with water

| | | | | |
|--|--------------------------|------------------------|-------------|----------------|
|  <p>CRRC COOL ROOF RATING COUNCIL</p> <p>RAPID RATINGS</p> | | Rapid | | |
| | | Initial | Ratings* | Weathered |
| | Solar Reflectance | 0.86 | 0.83 | Pending |
| | Thermal Emittance | 0.89 | 0.90 | Pending |
| | Rated Product ID | 0616-0029 | | |
| | Licensed Manufacturer ID | 0616 | | |
| | Classification | Production Line | | |
| <p>*CRRC Rapid Ratings: These are interim laboratory-aged values that simulate weathered values. These values will be replaced by the measured three-year aged values upon completion of the weathering process.</p> <p>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 effects of solar reflectance and thermal emittance on building performance may vary.</p> <p>Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.</p> | | | | |

Solar Reflectance Index (SRI) Initial: 108 Rapid Rating: 104 (CRRC listing is for white only)



POLYBRITE 71-HS

PREMIUM GRADE ELASTOMERIC ACRYLIC ROOF COATING

PolyBrite 71-HS is a high solids, premium grade water-based elastomeric coating. This proprietary formulation using 100% acrylic resins cures to form a seamless fluid applied roof membrane. PolyBrite 71-HS offers the unique ability to extend the life of a roofing system and lower overall life cycle costs. When applied in white, PolyBrite 71-HS is highly reflective keeping the roof surface cool and providing protection from UV and other weather exposures. Available in 4.75 (17.9 Liters) gallon pails, 50 (189 Liters) gallon drums, and 275 (1039.5 Liters) gallon totes.

- Protect and seal a variety of roof surfaces
- Functions as either a base or surface coating
- Suitable for use on various conventional asphalt built-up roofs, granulated modified roof membranes, most metal roof systems, thermoplastic and thermoset single-ply membranes (a primer may be required), concrete, exterior-grade plywood, SPUF, rigid coverboards such as Dens-Deck® and Securock®. Use on certain substrates may be limited or require additional work depending on substrate or project conditions
- Suitable for use on cementitious stucco, EIFS, and other masonry surfaces

Features

- Offers high tensile strength and elongation
- Resistant to asphalt staining, excellent "bleed through" resistance
- UL Class A Fire Rating
- Can be used to comply with 2016 Title 24 Part 6 Cool Roof Requirements (white only)

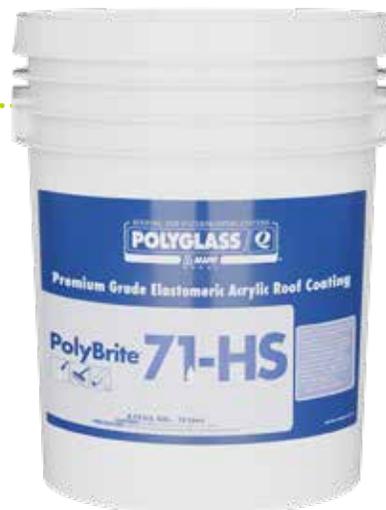
| | | | | |
|---|--------------------------|-----------------|----------------|----------------|
|  <p>CRRC COOL ROOF RATING COUNCIL® RAPID RATINGS</p> | | Rapid Initial | Ratings* | Weathered |
| | Solar Reflectance | 0.88 | Pending | Pending |
| | Thermal Emittance | 0.89 | Pending | Pending |
| | Rated Product ID | 0616-028 | | |
| | Licensed Manufacturer ID | 0616 | | |
| | Classification | Production Line | | |

*CRRC Rapid Ratings: These are interim laboratory-aged values that simulate weathered values. These values will be replaced by the measured three-year aged values upon completion of the weathering process.

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 effects 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 Rating Council procedures.

Solar Reflectance Index (SRI) Initial: 111 (CRRC listing is for white only)



Benefits

- Extends the useful life of the roof
- UV resistant
- Resistant to dirt pick-up
- Fungal and algae resistant - even in high temperatures
- Low VOC, non-flammable and presents minimal hazard to the applicator or the environment



POLYBRITE 24

WATER-BASED ELASTOMERIC ROOF COATING

PolyBrite 24 is a water-based acrylic latex elastomeric coating which cures to form a seamless membrane when applied over the entire roof area. PolyBrite 24 offers the unique ability to extend the life cycle of new and existing roof systems, in addition to keeping the surface cool, providing protection from ultraviolet rays and other weather exposures. PolyBrite 24 is available in white and grey. Available in 4.75 (17.9 Liters) gallon pails, 50 (189 Liters) gallon drums, and 275 (1039.5 Liters) gallon totes.

- Suitable for use on various BUR and polymer modified roof membranes with smooth and mineral surfaces, spray polyurethane foam, most metal roof systems thermoplastic and thermoset single-ply membranes (a primer may be required), concrete, exterior-grade plywood, rigid coverboards such as Dens-Deck and Securock
- Suitable for use on cementitious stucco, EIFS and other masonry surfaces

Features

- Low VOC, non-flammable and presents minimal hazard to the environment
- Can be used to comply with 2016 Title 24 Part 6 Cool Roof Requirements (white only)



Benefits

- Extends the useful life of the roof
- UV resistant
- Resistant to dirt pick-up
- Fungal and algae resistant

| | | | |
|--|---------------------------|------------------|------------------|
|  | | Initial | Weathered |
| | Solar Reflectance | 0.83 | 0.70 |
| | Thermal Emittance | 0.88 | 0.88 |
| | Rated Product ID Number | 0616-0012 | |
| | Licensed Seller ID Number | 0616 | |
| | Classification | Production Line | |
| <p>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.</p> <p>Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.</p> | | | |

Solar Reflectance Index (SRI) Initial: 104 Weathered: 85 CRRC listing is for white only.





POLYBRITE 76 PREMIUM ELASTOMERIC BASE COAT

- Premium, specially formulated water-based elastomeric base coat specifically designed to serve as a stain-blocking coating
- Offers enhanced resistance to areas subject to standing water conditions
- Cures to form a seamless membrane when applied over the entire roof area
- Protect and weatherproof a variety of roof surfaces
- Available in 4.75 Gallon (17.9 Liters) Pail



POLYBRITE 74 RUST INHIBITOR

- Water-based industrial rust inhibitive primer manufactured with a light blue color to easily determine coverage
- Designed to inhibit further oxidation resulting in rust degradation and to prevent “bleed through” when using elastomeric coatings
- Promotes adhesion of elastomeric coatings
- Available in 4.75 Gallon (17.9 Liters) Pail



POLYBRITE

POLYBRITE 95

SILICONE ROOF COATING

PolyBrite 95 is a single component, solvent borne, moisture cure silicone roof coating available in white or as tinted, which cures to form a seamless membrane when applied over the entire roof area. PolyBrite 95 offers the ability to extend the life cycle of new and existing roof systems, in addition to keeping the surface cool, providing protection from ultraviolet sun and other weather exposures. Available in 5 gallon (18.9 Liters) pail or 50 gallon (189 Liters) drum.

- Protect and waterproof a variety of roof surfaces.
- Suitable for use on sprayed polyurethane foam, most metal roof systems, concrete, thermoplastic and thermoset single-ply membranes (primer may be required)
- Suitable for use over various conventional BUR and polymer modified roof membranes with smooth and mineral surfacing when primed with PolyBrite 97x Epoxy Primer or PolyBrite 98



Features

- ASTM D6694, C1305
- Excellent resistance to weathering
- UL Class A Fire Rating
- Can be used to comply with 2016 Title 24 Part 6 Cool Roof Requirements (white only)

Benefits

- UV resistant
- Can reduce energy costs by decreasing roof surface temperature
- Offers high tensile strength and elongation.
- Fungal and algae resistant

| | | | |
|--|--------------------------|------------------|-------------|
|  | Initial | Weathered | |
| | Solar Reflectance | 0.85 | 0.66 |
| | Thermal Emittance | 0.85 | 0.90 |
| | Rated Product ID Number | 0616-0014 | |
| Licensed Seller ID Number | 0616 | | |
| Classification | Production Line | | |
| <p>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.</p> <p>Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.</p> | | | |

Solar Reflectance Index (SRI) Initial: 106 Weathered: 80 (CRRC listing is for white only.)



POLYBRITE 90

HIGH SOLIDS SILICONE ROOF COATING

PolyBrite 90 is a premium grade high solids, single component, moisture cure, fluid applied silicone coating available in white or as tinted, which cures to form a seamless membrane when applied over the entire roof area. PolyBrite 90 offers the ability to extend the life cycle of new and existing roof systems, in addition to keeping the surface cool, providing protection from ultraviolet sun and other weather exposures. Available in 5 gallon (18.9 Liters) pail or 50 gallon (189 Liters) drum.

- Protect and waterproof a variety of roof surfaces
- Suitable for use on sprayed polyurethane foam, most metal roof systems, concrete, thermoplastic and thermoset single-ply membranes (primer may be required)
- Suitable for use over various conventional BUR and polymer modified roof membranes with smooth and mineral surfacing when primed with PolyBrite 97x Epoxy Primer or PolyBrite 98

Features

- ASTM D6694, C1305
- Excellent resistance to weathering
- UL Class A Fire Rating
- Can be used to comply with 2016 Title 24 Part 6 Cool Roof Requirements (white only)



Benefits

- UV resistant
- Can reduce energy costs by decreasing roof surface temperature
- Offers high tensile strength and elongation
- Fungal and algae resistant

| | | | |
|--|---------------------------|------------------|------------------|
|  | | Initial | Weathered |
| | Solar Reflectance | 0.87 | 0.70 |
| | Thermal Emittance | 0.89 | 0.90 |
| | Rated Product ID Number | 0616-0013 | |
| | Licensed Seller ID Number | 0616 | |
| | Classification | Production Line | |
| <p>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.</p> <p>Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.</p> | | | |

Solar Reflectance Index (SRI) Initial: 110 Weathered: 86 (CRRC listing is for white only.)



POLYBRITE





POLYBRITE 98

ONE-PART ACRYLIC PRIMER/BLEED BLOCKER FOR SILICONE COATINGS

PolyBrite 98 is a water-based one-part primer/bleed blocker that enhances the adhesion of Polyglass silicone roof coatings. Available in 5 Gallon (18.9 Liters) Pail and 55 Gallon (208.1 Liters) Drum.

- Suitable for use over substrates such as granulated modbit, galvanized steel, aluminum sheets, wood, masonry and concrete

Features

- Versatile primer/bleed blocker for a wide variety of substrate conditions
- Rain resistant after 3 hours
- Low VOC

Benefits

- One-component
- Excellent bleed blocker
- Easy to apply
- Potential cost savings



POLYBRITE 84

RUST INHIBITIVE PRIMER

PolyBrite 84 is a rust inhibitive primer manufactured with a light grey color to easily determine coverage. PolyBrite 84 is designed to inhibit further oxidation resulting in rust degradation and to prevent bleed-through when using elastomeric coatings. Available in 4.75 Gallon (17.9 Liters) Pail and 50 Gallon (189 Liters) Drum.

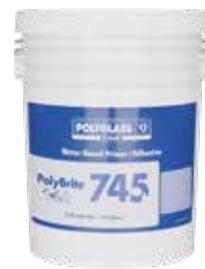
- Designed to prevent further exposure to environmental conditions that cause oxidation of the metal roof, commonly known as rust. Recommended for use on various metal components that exhibit light oxidation or "rusting"

Features

- Promotes adhesion of elastomeric coating applied to metal surface. Contact Polyglass Technical Services for clarification of unusual surfaces or project conditions.
- Suitable as a spot rust primer or for application to widespread areas of the roof.

Benefits

- Enhanced with a light grey color to ensure areas of application receive proper coverage
- Water-Based formula is non-flammable, compliant with VOC requirements and easily cleans up with water prior to curing



POLYBRITE 745

WATER-BASED PRIMER/ADHESIVE

PolyBrite 745 is a low VOC, stain blocking acrylic primer formulated to enhance the adhesion of acrylic roof coatings to a variety of substrates. The thin solution penetrates pores and dries quickly. It can also be used to penetrate and adhere reinforcement fabrics when required. Available in 4.75 Gallon (17.9 Liters) Pail and 50 Gallon (189 Liters) Drum.

- Suitable for use over substrates such as modified bitumen granulated cap sheets, BUR, masonry, wood, concrete or previously coated surfaces

Features

- Designed for use as a surface primer for both horizontal and vertical surfaces
- Ideal primer for use with Polyglass cap sheets

Benefits

- Promotes enhanced adhesion of acrylic elastomeric materials
- Stain blocker





POLYBRITE 78

RINSEABLE EPDM PRIMER

PolyBrite 78 Rinseable EPDM Primer is a low viscosity sprayable liquid used to pre-treat an EPDM rubber roof membrane prior to power washing and application of the roof coating. Promotes adhesion of the elastomeric coating applied to the EPDM surface. Available in 5 Gallon (18.9 Liters) Pail.

- Improves adhesion to EPDM for longer roof protection

Features

- User friendly, neutral pH formulation

Benefits

- Non-corrosive
- No special handling requirements



POLYBRITE 780

EPOXY PRIMER/SEALER

A black, water-based epoxy primer/sealer used as a primer beneath sprayed-in-place polyurethane foam roofing and acrylic coatings. The black surface absorbs the sun's radiant heat which helps achieve maximum yield of the sprayed polyurethane. Available in 4.75 Gallon (17.9 Liters) Pail and 50 Gallon (189 Liters) Drum

- Increases adhesion over existing smooth surfaced modified and built-up roofing

Features

- Utilized as a primer beneath spray-in-place polyurethane foam roofing (SPUF) and acrylic coatings

Benefits

- Maximizes the yield of SPUF

WB 3000

FAST-DRYING, WATER-BASED PRIMER

WB 3000 is a low VOC, water-based acrylic primer that enhances the adhesion of self-adhered roof membranes to a variety of porous and non-porous substrates as well as a general primer for acrylic elastomeric products. The thin solution penetrates pores and dries quickly to provide a tacky surface. Available in 5 Gallon (18.9 Liters) Pail.

- Suitable for use over substrates such as masonry, metal, asphalt, wood, plywood, and various gypsum boards.

Features

- Designed for use as a surface primer for both horizontal and vertical surfaces.
- Promotes enhanced adhesion of acrylic elastomeric materials
- Ideal primer for use with Polyglass® self-adhered membranes
- One-component, versatile primer for a wide variety of substrate conditions
- Single-coat application

Benefits

- Low VOC and low odor
- Superior dry time versus solvent-based primers
- Easy to mix, handle and apply





POLYBRITE 79

TPO/PVC PRIMER

A VOC compliant, solvent-based primer designed to improve the adhesion of acrylic coatings to most aged TPO and PVC membranes. Available in 4.75 Gallon (17.9 Liters) Pail and 50 Gallon (189 Liters) Drum

- Enhances adhesion of acrylic elastomeric coating over aged TPO and PVC membranes

Features

- Quick drying
- Single coat application

Benefits

- VOC Compliant
- One component
- Outstanding coverage offers a cost effective solution versus various competitive products



POLYBRITE 97x

EPOXY PRIMER

PolyBrite 97X is a two component, 1 to 1 ratio, water-based epoxy primer which enhances adhesion to a variety of porous and non-porous substrates. Available in 1 Gallon (3.78 Liters) Pail and 5 Gallon (18.9 Liters) Pail

- Adheres well to most metals, organic polymers, wood, masonry
- Promotes enhanced adhesion of elastomeric silicone materials
- Excellent Alkali resistance

Features

- Versatile primer for a wide variety of substrate conditions
- Cures to form a hard lusterless coating

Benefits

- Low VOC
- Non-flammable



POLYBRITE 72

PREMIUM GRADE ELASTOMERIC FLASHING COMPOUND

Premium grade white water-based elastomeric mastic which cures to form a seamless membrane. Available in 1.8 Gallon (6.8 Liters) Pail.

- Designed for use at various flashing and detail conditions when installing Polyglass' elastomeric coating systems
- Recommended for use to seal joints, seams, through roof penetrations and fastener heads

Features

- Flexible, will expand and contract with movement of roof surfaces
- Suitable for most surfaces

Benefits

- Strength, provides a permanent waterproof seal at flashing details and fastener heads





POLYBRITE 73

ELASTOMERIC FLASHING COMPOUND WITH STRETCHSPAN TECHNOLOGY™

Premium-grade white elastomeric mastic with StretchSpan Technology™ (SST) which cures to form a seamless flexible, waterproof membrane. Available in 1.8 Gallon (6.8 Liters) Pail and 4.75 Gallon (17.9 Liters) Pail

- This SST technology makes this product extremely pliable and easier to tool in certain flashing applications when installing Polyglass' elastomeric coating systems

Features

- Offers excellent adhesion, flexibility, high tensile strength and resistance to ultra violet degradation
- Can be applied over various conventional BUR, modified bitumen, metal, wood, spray polyurethane foam and concrete materials

Benefits

- Provides a permanent waterproof seal at flashing details and fastener heads
- Expands and contracts with movement of roof surfaces



POLYBRITE 77

PREMIUM GRADE SEBS CEMENT

A high quality thermoplastic rubber coating and mastic designed for waterproofing a variety of structural surfaces. Provides a brilliant white elastomeric film. Available in 3.5 Gallon (13.2 Liters) Pail.

- Excellent for sealing screw heads and fasteners as well as both horizontal and vertical seams on metal roofing systems. Can also be used over concrete, aged TPO and PVC membranes

Features

- Cures to a tough, protective flexible barrier
- Ultraviolet-resistant

Benefits

- Strength, provides a permanent waterproof seal at screw heads, fasteners and metal roof seams



POLYFLASH 1C

ONE PART FLASHING COMPOUND

A one-component, moisture-cure, silane modified polyurethane, white flashing compound designed for sealing various roofing and waterproofing details such as walls, curbs, vents, roof drains, pitch pans and unusually shaped penetrations. Available in 2.5 Gallon (9.45 Liters) Pail

- When combined with PolyBrite reinforcing Polyester, this product can easily solve typical and challenging flashing needs

Features

- Crack bridging capabilities
- High tensile strength
- Fully compatible with Polyfresko membranes

Benefits

- Monolithic application provides a watertight seal
- UV resistant





POLYBRITE FMT

FIELD MIX THICKENER

PolyBrite FMT Field Mix Thickener is a high-tensile polyethylene fiber for use in the field by the applicator in order to modify thickness thereby enhancing sag resistance properties as well as application of high build applications when used with PolyBrite silicone roof coatings. Available in 5 Gallon (18.9 Liters) Pail.

- Suitable for use as a light brush-grade to mastic-grade compound for fabrication of cants, to seal joints, seams, through roof penetrations, fastener heads, flashings and miscellaneous details on various roof surfaces and substrates

Features

- When mixed with PolyBrite silicone roof coatings, the resulting compound can increase the coating's tear strength

Benefits

- Applicator can quickly and easily mix this product into PolyBrite silicone roof coatings using hand tools
- Applicator can determine desired level of thickness by volume (recommended 20%–50% by volume)
- Provides excellent vertical hold



POLYGLASS

DETAIL & REPAIR FINISH

Available in 1 Gallon (3.78 Liters) Pail and 5 Gallon (18.9 Liters) Pail

Features

- Meant to treat details on Polyfresko G roofs
- Features same technology on Polyfresko G cap sheets
- Water based and environmentally friendly
- Enhances granule retention
- Improves abrasion and scuff resistance

PG GRANULES

Available in 50 lb (22.7 kg) Pail

- High quality mineral granules to be used on mineral-surfaced membranes produces
- Tough, dense, ceramic-coated particles that are weather and UV resistant
- Composed of a granule-like mineral to match Polyglass granular products
- Available in a variety of colors



POLYBRITE

REINFORCING POLYESTER

A white, 3 ounce stitchbond polyester fabric used in the reinforcement of cold process roofing systems and also as a reinforcement with mastics and elastomerics.

The flexible nature of this fabric also allows for ease of application over the critical corrugations and laps found in metal roofing and conforms with smooth and semi-smooth surfaces.



POLYSLOPE

REINFORCED CEMENTITIOUS COMPOUND

POLYSLOPE is a water-repellent fiber reinforced skim mortar designed to be applied to areas of standing water on roofs to help promote positive drainage. POLYSLOPE is a blend of special binders, fiber, admixtures, selected aggregate, and powder polymers formulated to produce high bond strength, and easy finishing. Available in 50 lb (22.7 kg) Pail

Features

- Water-repellent fiber reinforced skim mortar designed to be applied to areas of standing water on roofs to help promote positive drainage
- Ready-to-use, one-component, just add water, mix and place

POLYPUF

SPRAY POLYURETHANE FOAM ROOF INSULATION

Spray in place polyurethane foam (PUF) system. This high performance closed cell roof insulation product improves building durability, energy efficiency, and is one of the lowest life cycle cost roof systems available today. PolyPUF is seamless and self-flashing. PolyPUF eliminates thermal bridging and adds superior insulation properties for improved building energy efficiency. When PolyPUF is combined with the appropriate PolyBrite ultraviolet ray resistant reflective coatings, the systems are ENERGY STAR compliant.

Features

- PolyPUF roofing insulation can be applied directly to most existing substrates, eliminating the cost of tear-off and reducing waste sent to landfills
- Seamless and self-flashing, no seams or laps that are potential future leaks
- Energy efficient, high R-value system

Benefits

- May be surfaced in a variety of colors, including highly reflective materials
- PolyPUF can perform for 20 to 30 years with minimal, proper maintenance
- The system is renewable for added life. Simply recoat for many years of service



Refer to safety data sheet (SDS) for specific data and handling of our products. The product user, and not Polyglass, is responsible for determining the suitability and compatibility of our products for the user's intended use.

For most current product data and warranty information, visit www.polyglass.us



Kool Roof Solutions™

White Reflective Membranes and Coatings



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