

POLYBRITE® 24

ELASTOMERIC ROOF COATING

PRODUCT DESCRIPTION

PolyBrite 24 is a water-based elastomeric coating available in White and Kool Grey, 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 sun and other weather exposures.

USES


- Protect and waterproof a variety of roof surfaces.
- Suitable for use on various conventional smooth and granulated BUR and granulated polymer modified roof membranes, most metal roof systems, PVC single-ply membranes (Primer may be required.), concrete, rigid coverboards such as Dens-Deck® and Securock®.
- Suitable for use on cementitious stucco, EIFS and other masonry surfaces.

FEATURES AND BENEFITS

- Offers excellent resistance to extended exposure to solar ultraviolet energy.
- By decreasing roof surface temperature, PolyBrite 24 can reduce energy costs.
- Offers high tensile strength and elongation.
- Resistant to dirt pick up.
- Fungal and algal resistant – even in high temperatures.
- Low VOC, non-flammable and presents minimal hazard to the applicator or the environment.

TYPICAL PHYSICAL PROPERTIES

TEST PROPERTY	TEST VALUE	TEST PROCEDURE
Accelerated Weathering @ 1000 hr (pass/fail)	pass	ASTM D4798
Permeance (perms)	13 (wet) 7 (dry)	ASTM D1653
Fungi Resistance (pass/fail)	pass	ASTM G21
Elongation (%)	200 ± 25	ASTM D2370
Tensile Strength (psi)	350 ± 50	ASTM D2370
Flexibility @ 0°F mandrel (pass/fail)	pass	ASTM D522B
Viscosity (cP)	28,000 – 58,000	Brookfield® 4d/5 RPM/77°F
Weight/gal (lb)	11 ± 0.5	ASTM D1475
Solids Weight (%)	55 ± 2	ASTM D1644
Solids Volume (%)	47	ASTM D2697
VOC (gm/L)	< 50	Calculated
pH (rating)	> 8.5	Std method
Flash Point (°F)	> 212	PMCC

 COOL ROOF RATING COUNCIL®	Rated Product ID #: 0616-0012		
		Smooth	Rough
	Solar Reflectance	Initial / Aged 0.83 / 0.70	Initial / Aged Not Rated
	Thermal Emittance	0.88 / 0.88	Not Rated
The ratings above are subject to CRRC rating program conditions, requirements and limitations. Visit coolroofs.org for important information and disclaimers about CRRC rating requirements and limitations. For the purposes of a CRRC rating, a rough substrate is defined as a surface that is equally coarse or coarser than a new (i.e., unweathered) #11 granulated modified bitumen sheet.			

Solar Reflectance Index (SRI) – Initial: 104 • Aged: 85



APPLICABLE STANDARDS

- UL Classified - File #R14571
- CRRC Listed (White only)



PACKAGING

- 4.75 Gallon (17.9 Liters) Pail
- 50 Gallon (189 Liters) Drum
- 275 Gallon (1039.5 Liters) Tote

COLORS

White and Kool Grey



www.polyglass.us

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APPLICATION INSTRUCTIONS

Surface Preparation:

- All surfaces to receive coating must be clean, dry and free from any foreign matter such as dirt, oils, grease or other debris that could inhibit the adhesion capabilities of the newly installed products.
- Existing roof systems to be visually inspected for conditions that may adversely affect adhesion of performance of newly installed products. Repair any visible deficiencies such as splitting, blistering, and buckling.
- Visually inspect all metal and non-metal flashings, edges, drains, valleys and through-roof penetrations and repair as needed by project conditions.
- Do not apply to wet or visibly damp surfaces, or surfaces previously covered with coal tar based products or Kynar® finishes.
- Concrete surfaces cured with wax/resin based compounds can inhibit adhesion.

Application:

- Stir well prior to application.
- PolyBrite 24 may be applied by high pressure spray, roller or brush application methods.
- Apply PolyBrite 24 at 24 wet mils (1.5 gallon per 100 square feet) per coat. Typical application conditions require PolyBrite 24 be applied in two coats at 24 wet mils per coat.
- Allow coating to dry overnight prior to applying second coat.
- To minimize potential voids or pinholes in coating application, apply second coat perpendicular to the first.
- Apply only when ambient temperatures are 50°F and rising. Cold weather could result in uneven application and improper curing of product. Do not apply if there is a threat of inclement weather within 24 hours of application.
- Do not thin product. Do not heat outside of container. Do not apply at temperatures greater than 120°F.
- Prior to using this product on new cap sheets (smooth or granulated), it is recommended to wait 30 days for weathering.

Storage and Cleaning:

- Shelf life is 18 months if stored in original unopened containers.
- All containers should be sealed when not in use.
- Keep from freezing.
- Store between 40°F and 100°F.
- Observe normal safeguards for storing and handling of this product prior to and during application.
- Clean equipment and overspray with water.
- Clean hands with waterless hand cleaner.
- Application tools and equipment can be cleaned with lukewarm water and soap, followed by a rinse of isopropanol, acetone, or Simple Green®. Recirculate through lines and gun until residual coating is removed.
- DO NOT USE MINERAL SPIRITS, XYLENE, TOLUENE, OR VMP & NAPHTHA SOLVENTS.

For Professional Use Only - Keep out of the reach of children.

MANUFACTURING FACILITIES

- Fernley, NV
- Hazleton, PA
- Phoenix, AZ
- Waco, TX
- Winter Haven, FL

CORPORATE HEADQUARTERS

Polyglass U.S.A., Inc.
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Customer Service: (800) 222-9782

Technical Service: (866) 794-9659

Questions? technical@polyglass.com

Product Disclaimer: Unless otherwise incorporated into or part of a supplemental manufacturer's warranty, Polyglass warrants its product(s) against manufacturing defects that result in the material not complying with product specifications for a period of 12 months.

Refer to safety data sheet (SDS) for specific data and handling of our products. All data furnished refers to standard production and is given in good faith within the applicable manufacturing and testing tolerances. The product user, and not Polyglass, is responsible for determining the suitability and compatibility of our products for the user's intended use.

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



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