

# POLYBRITE® 25

## HIGH VISCOSITY ELASTOMERIC ROOF COATING

### PRODUCT DESCRIPTION

PolyBrite 25 is a water-based, high viscosity, roller-grade, styrene acrylic elastomeric coating which cures to form a seamless membrane. PolyBrite 25 offers the unique ability to extend the life of a roofing system, and lower overall life cycle costs.

When applied in white, PolyBrite 25 is highly reflective keeping the roof surface cool and providing protection from UV and other weather exposures. The product's flexibility allows it to expand and contract to accommodate normal roof movement, therefore avoiding surface damage.

### USES

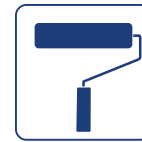
- Protect and waterproof a variety of roof surfaces.
- Suitable for use on a variety of roof surfaces such as conventional BUR and granulated modified bitumen membranes, most metals, PVC (primer may be required), concrete and most rigid coverboards.
- Usage to certain substrates may be limited or require additional preparation.

### FEATURES AND BENEFITS

- Easy application.
- Offers excellent resistance to extended exposure to solar ultraviolet energy.
- By decreasing roof surface temperature, PolyBrite 25 can reduce energy costs.
- Resistant to dirt pick-up.
- Fungal and algal resistant.
- Low VOC, non-flammable and presents minimal hazard to the applicator.

### TYPICAL PHYSICAL PROPERTIES

TEST PROPERTY	TEST VALUE	TEST PROCEDURE
Accelerated Weathering @1000 hr. (Pass/fail)	Pass	ASTM D4798
Permeance (perms)	10 – 15	ASTM D1653
Fungi Resistance (Pass/Fail)	Pass	ASTM G21
Elongation (%)	180 ± 20	ASTM D2370
Tensile Strength (psi)	325 ± 25	ASTM D2370
Viscosity (cP)	48,000 – 60,000	ASTM D2196
Weight Per Gal	12.5 ± 0.5	ASTM D2939
Solids Weight (%)	68 ± 2	ASTM D1644
Solids Volume (%)	54 ± 2	ASTM D2697
VOC (g/l)	< 50	Calculated
pH (rating)	9.5	Standard Method
Flash Point (°F)	> 212	PMCC



### APPLICABLE STANDARDS

- CRRC Listed (White Only)
- Meets the requirements of California Energy Commission (CEC) Title 24 Section 110.8 (i)4 (White Only)


### PACKAGING

- 5 Gallon (18.9 Liters) Pail
- 55 Gallon (208 Liters) Drum
- 250 Gallon (946 Liters) Tote

### COLORS

White, Kool Grey, Standard Tan, Light Tan, Sedona Tan, Santa Fe Tan



	<b>Rated Product ID #: 0616-0044</b>	
	<b>Smooth</b>	<b>Rough</b>
<b>Solar Reflectance</b>	<b>Initial / Aged</b> <b>0.86 / 0.71</b>	<b>Initial / Aged</b> <b>Not Rated</b>
<b>Thermal Emittance</b>	<b>0.91 / 0.89</b>	<b>Not Rated</b>
<small>The ratings above are subject to CRRC rating program conditions, requirements and limitations. Visit <a href="http://coolroofs.org">coolroofs.org</a> 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.</small>		

**Solar Reflectance Index (SRI) – Initial: 108 • Aged: 88**



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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 product.
- Existing roof system to be visually inspected for conditions that may adversely affect adhesion 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 25 may be applied by roller application methods.
- Apply PolyBrite 25 at 24 wet mils (1.5 gallon per 100 square feet) per coat. Typical application conditions require PolyBrite 25 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

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**Questions?** [technical@polyglass.com](mailto: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](http://www.polyglass.us)**



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