

POLYBRITE® 55

ELASTOMERIC ROOF COATING

PRODUCT DESCRIPTION

PolyBrite 55 is an Elastomeric Roof Coating specially formulated for superior adhesion over sprayed polyurethane foam (SPF). It employs a highly flexible acrylic polymer for enhanced thermal expansion and contraction capabilities typical of many roofing surfaces.

USES

- PolyBrite 55 is designed to protect and seal new sprayed polyurethane foam (SPF) roof systems and can be used as a base and/or surface coating over most roofing surfaces.
- Suitable for use on various conventional smooth and granulated BUR and polymer modified roof membranes with smooth or mineral surfacing, 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 AND BENEFITS

- Extends the useful life of the roof
- UV resistant
- Decreases roof surface temperature, which can reduce energy costs
- Resistant to dirt pick up
- Low VOC and non flammable

TYPICAL PHYSICAL PROPERTIES

TEST PROPERTY	TEST VALUE	TEST PROCEDURE
Viscosity (cP)	28,000 – 58,000	ASTM D2196
Volume Solids (%)	50 ± 2	ASTM D2697
Weight Solids (%)	55 ± 2	ASTM D1644
Elongation (%)	200 ± 25	ASTM D2370
Tensile Strength (psi)	225 ± 25	ASTM D2370
Permeance (perms)	18 ± 2	ASTM D1653
Water Swell (%)	9 ± 1	ASTM D471
Tear Resistance (lbf/in)	60 ± 5	ASTM D624
Accelerated Weathering (1,000 hrs) (no cracking; no checking)	PASS	ASTM D4798
Adhesion (pli) (Over approved substrates)	PASS	ASTM C794
Fungi resistance (rating)	0 (PASS)	ASTM G21
Low Temp Flexibility after 1000 hours weathering (1/2" mandrel at -26°C)	PASS	ASTM D522
Weight per Gal (lb)	10.1 ± 0.25	ASTM D2939
VOC (g/l)	< 50	Calculated



APPLICABLE STANDARDS

- ASTM D6083 Type II
- CRRC Listed. (White only)



PACKAGING

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

COLORS

White, Kool Grey and Standard Tan



 <p>CRRC COOL ROOF RATING COUNCIL® RAPID RATINGS</p>	Rated Product ID #: 0616-0043	
	Smooth	Rough
	Initial / Aged	Initial / Aged
Solar Reflectance	0.90 / 0.79*	0.86 / 0.83*
Thermal Emittance	0.90 / 0.89*	0.90 / 0.86*
<p>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.</p> <p>*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.</p>		

Solar Reflectance Index (SRI) Smooth – Initial: 115 • Aged: 99*

Solar Reflectance Index (SRI) Rough – Initial: 109 • Aged: 104*



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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. Metal surfaces that display rusting or other oxidation, to be prepared with a grinder or wire brush as needed to remove surface contaminants.
- Visually inspect existing roof systems for conditions that may adversely affect adhesion or performance of newly installed products. Repair any visible deficiencies such as splitting, blistering, and buckling with PolyBrite 73 Elastomeric Mastic and PolyBrite Polyester Fabric.
- Repair metal and non-metal flashings, edges, drains, valleys and through-roof penetrations.
- 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:

- Mix well prior to application.
- PolyBrite 55 may be applied by high pressure spray, roller or brush application methods.
- Apply PolyBrite 55 at 24 wet mils (1.5 gallons per 100 square feet) per coat. Typical application conditions require PolyBrite 55 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.
- Coatings should be applied when ambient and substrate temperatures are 50°F and rising and never applied when temperatures are greater than 120°F. This includes temperatures during nighttime.
- Coatings should not be applied to roof surfaces that are over 140°F.

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

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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