

TURBO-SET®

ADVANCED LIQUID-APPLIED ROOFING SYSTEM

PRODUCT DESCRIPTION

Turbo-Set is a patent-pending two component, water-based liquid-applied roof system. Designed for spray application, Turbo-Set is installed in a single coat with state-of-the-art proprietary equipment. This advanced system featuring our Blue Cure Technology™ additive speeds up drying and cure time.

USES

- Protects and seals a variety of roof surfaces as part of a roof restoration coating system.
- Suitable for use on various conventional BUR and polymer modified roof membranes, most metal roof systems, thermoplastic and thermoset single-ply membranes, structural concrete, and over most existing coatings. For use on SPF, contact Polyglass Technical Services

FEATURES AND BENEFITS

- Single coat application.
- Reduces labor cost.
- Rain resistant in as little as 20 minutes, dependent on conditions.
- Easy spray application.
- Single product for both horizontal and vertical applications such as parapet walls.
- Extends the useful life of the roof.
- Provides excellent resistance to ultraviolet exposure.
- Incorporates a fire retardant package.
- Highly reflective, reducing energy costs.

TYPICAL PHYSICAL PROPERTIES

TEST PROPERTY	TEST VALUE	TEST PROCEDURE
Brookfield Viscosity (cps) @ 25°C	500 ± 200	ASTM D562
Solids Weight (%)	67 ± 2	ASTM D1644
Solids Volume (%)	55 ± 2	ASTM D2697
Elongation (%)	175 ± 25	ASTM D2370
Tensile Strength (psi)	225 ± 25	ASTM D2370
Permeance (perms)	3.0 ± 1	ASTM D1653
Accelerated Weathering (1,000 hrs)	PASS (no cracking; no checking)	ASTM D4798
Adhesion (pli)	> 2.0	ASTM C794
Tear Resistance (lbf/in)	70 ± 5	ASTM D624

 CRRC COOL ROOF RATING COUNCIL® RAPID RATINGS	Initial	Weathered
	Solar Reflectance 0.86	0.80*
Thermal Emittance 0.91		0.90*
Rated Product ID		0616-0032
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: 109 • 3 Year: 100*



APPLICABLE STANDARDS

- Meets or exceeds the requirements of ASTM D6083-18 Type II Standard Specification for Liquid Applied Acrylic Coating Used in Roofing
- UL Classified - File #R14571
- CRRC Listed (White only)
- Florida Building Code
- Miami-Dade County Product Control Approved



PACKAGING

- Part A: 55 Gallon (208.1 Liters) Drum
- Part B: 5 Gallon (18.9 Liters) Pail

COLORS

White, Tan and Smooth Grey



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APPLICATION INSTRUCTIONS

Surface Preparation:

- All surfaces 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.
- A coat of primer is recommended. Contact your sales representative for primer recommendations.
- Existing roof systems to be visually inspected for conditions that may adversely affect adhesion performance of newly installed products.
- Visually inspect flashings, edges, drains, valleys and through-roof penetrations and repair as needed.
- Do not apply to surfaces previously covered with coal tar based products or Kynar® finishes.

Application:

- Mix Part A Coating thoroughly with a power mixer prior to application for a minimum of ten minutes. Mix Part B Accelerator separately. Do not cross contaminate at any time.
- Apply Turbo-Set with the proprietary equipment designed for this product. Refer to Spray Equipment recommendations as outlined in the Spray Equipment section below.
- Prime applicable surfaces with PolyBrite 745.
- Apply 3 gallon (48 wet mils per square) to 5 gallon (80 wet mils per square) in a one-pass application.
- Spray apply in a 50% overlap pattern.
- Apply only when ambient and substrate temperatures are 50°F and rising.
- Do not thin product.
- Prior to using this product on new cap sheets (smooth or granulated), it is recommended to wait 30 days for weathering.
- Refer to guide specifications for detailed application instructions.

Spray Equipment:

Application of this product can ONLY be applied with the use of the Turbo-Set equipment and its various accessories including gun, hose and tips. It CANNOT be applied with conventional airless spray equipment designed for the purposes of field application of fluids, paints and coatings.

Storage and Cleaning:

- Product shelf life: Typically 12 months from date of manufacture when properly stored.
- Do not store at temperatures greater than 120°F.
- Observe normal safeguards for storing and handling of this product prior to and during application.
- Do not allow product to freeze.
- Keep containers covered when not in use.
- Clean equipment with water.
- Clean hands with waterless hand cleaner.

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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