

PG 650

FIBERED ALUMINUM ROOF COATING

PRODUCT DESCRIPTION

PG 650 is a reflective coating designed to protect a variety of asphalt-based roofs. When applied to the roof, the aluminum flakes leaf to the surface, forming a reflective, metallic shield over the base material. PG 650 includes special reinforcing fibers for longer lasting reflectivity and greater durability. PG 650 contains a soft-settle formulation for easier mixing and is specifically formulated to be compatible with Polyglass roofing membranes.

USES

- PG 650 is designed to apply over new or existing APP or SBS smooth or mineral surface cap sheets, asphalt built-up roofs and flashings.
- Also, a variety of other substrates may be coated with PG 650 including storage tanks, masonry surfaces and structural steel. If you are uncertain as to whether this product is appropriate for a specific substrate, please contact Polyglass Technical Services.
- Not recommended for use with thermoplastic or thermoset membranes.

FEATURES AND BENEFITS

- PG 650 is more reflective than a white mineral cap sheet, the bright aluminum finish reflects damaging heat and UV radiation to prolong the service life of the roofing system.
- The asphaltic oils in PG 650 are protected from harmful intense rays of the sun by the reflective properties of the aluminum. Because most of the sun's rays are reflected by this aluminum barrier, it prevents these oils from being "baked" out of the base coating.
- Prevents the sun's UV rays from penetrating the roof coating.
- Bonds tenaciously to the base material.
- Includes special reinforcing fibers that "push" the aluminum flakes to the surface for longer lasting reflectivity and greater durability.
- Offers excellent weathering characteristics and will not prematurely crack or dry out.
- Offers brilliant reflective barrier which should last for many years.
- Non-destructive to asphalt based roofing membranes.
- Asbestos free – 100% recycled cellulose fibers.

TYPICAL PHYSICAL PROPERTIES

TEST PROPERTY	TEST VALUE	TEST PROCEDURE
Reflectance (%)	50 – 55	CRRC-1
Brookfield (KU)	80 – 140	ASTM D6511
Solids Weight (%)	> 50	ASTM D1644
Flash Point (°F)	> 105°F	PMCC
VOC (gm/L)	< 500	Std Method
Weight/gal (lb)	7.8 – 8.3	ASTM D2939

APPLICATION INSTRUCTIONS

Surface Preparation:

- 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.
- On existing roofs, inspect roof substrate condition. Blisters, buckles, and raised edges should be cut out and repaired for a smooth surface.
- Check all flashings, edges, drains, valleys and vents and repair as needed.
- Do not use on wet or damp surfaces, directly over wood or on surfaces previously covered with coal tar based products.
- If priming is required, use a very light coat of PG 100 Polyglass Asphalt Primer or for best results use PG 800 Asphalt Emulsion prior to application of aluminum roof coating. Allow primer to dry prior to application of PG 650.



APPLICABLE STANDARDS

- Meets or exceeds the requirements of ASTM D2824 Aluminum Roof Coating Type III
- Texas Department of Insurance
- Florida Building Code
- Miami-Dade County Product Control Approved



PACKAGING

- 4.75 Gallon (17.9 Liters) Pail



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Application:

- Material Preparation: IMPORTANT: PG 650 must be mechanically mixed thoroughly before and during application. A low-speed power drill with paddle is strongly recommended. Mix completely to blend aluminum paste until uniform. Recommendation: To aid mixing, place unit upside down for a few minutes prior to opening.
- PG 650 may be applied by spray, roller or brush application methods. For best results, spray and use proper equipment.
- Application Rate: 1 – 1.5 gallon per square; coverage rate may vary depending on ambient temperature, surface porosity, as well as applicator and/or application technique.
- When to Apply:
 - Asphalt Emulsion: PG 650 may be applied as soon as the asphalt emulsion is dry enough to receive foot traffic (minimum 24 hours).
 - Membrane built-up roofs: Allow new roof surface to weather approximately 30 days prior to coating application. If 30 day delay is unacceptable, a layer of PG 800 emulsion may be applied prior to application of the aluminum coating.
- Avoid foot traffic once applied. Drying Time Average: 1 – 4 hours to touch.

Limitations:

- Not recommended over extremely aged, dry and brittle roofing.
- Do not coat asphalt shingles.
- Do not apply if inclement weather is expected within 24 hours.

Storage and Cleaning:

- Product shelf life: 24 months from date of manufacture when properly stored.
- Store unopened container 24 hours at room temperature prior to application.
- Observe normal safeguards for storing and handling of this product prior to and during application.
- Keep containers covered when not in use.
- Clean equipment and over spray with kerosene or mineral spirits.
- 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

