

Rooflex

Fibered Aluminum Roof Coating

PRODUCT DESCRIPTION

Rooflex Fibered Aluminum Roof Coating 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. Rooflex Fibered Aluminum Roof Coating includes special reinforcing fibers for longer lasting reflectivity and greater durability. Rooflex Fibered Aluminum Roof Coating contains a soft-settle formulation for easier mixing and is specifically formulated to be compatible with Polyglass roofing membranes.

USES

- Rooflex Fibered Aluminum Roof Coating is designed to be applied 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 Rooflex Fibered Aluminum Roof Coating 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

- Rooflex Fibered Aluminum Roof Coating 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 Rooflex Fibered Aluminum Roof Coating 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 a 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	Value	Procedure
Reflectance (%)	50 – 55	CRRC -1
Brookfield (KU)	80 –140	ASTM D6511
Solids Weight (%)	>50	ASTM D1644
Flash Point (°F)	>105	PMCC
VOC (gm/L)	<450	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 Rooflex Fibered Aluminum Roof Coating.

Application:

- **Material Preparation:** IMPORTANT: Rooflex Fibered Aluminum Roof Coating 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 pail upside down for a few minutes prior to opening.
- Rooflex Fibered Aluminum Roof Coating may be applied by spray, roller or brush application methods. For best results, spray with 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.



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- **When to Apply:**

Asphalt Emulsion: Rooflex Fibered Aluminum Roof Coating 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.

NOTE: PG 800 is not typically recommended for application in tropical and/or high humidity climates. Contact Polyglass Technical Services for specific coating system recommendations.

- 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.

WARNING

Combustible Liquid and Vapor - Contains petroleum distillate. Harmful or fatal if swallowed. Vapor harmful. May affect the brain or central nervous system causing dizziness, headache, or nausea. Causes nose and throat irritation. Causes eye and skin irritation. Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Keep away from heat and open flame.

Personal Protection - Irritation may result from prolonged or repeated contact with skin. Wear chemical resistant gloves, protective goggles and protective clothing, if needed.

Eye Contact - Rinse immediately with clean water for 15 minutes and seek medical advice.

Waste Disposal - Empty containers must be disposed of in accordance with local, state and federal regulations.

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

For Exterior Use Only

Refer to safety data sheet (SDS) for specific data and handling of our products.

Product Disclaimer - Unless otherwise incorporated into or part of a supplemental manufacturer's warranty, Polyglass warrants its product(s) against manufacturing defects that directly results in leakage for a period of 1 year.

All data furnished refers to standard production using manufacturing 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

APPLICABLE STANDARDS

- Meets or exceeds the requirements of ASTM D2824 Asphalt Roof Cement Type I



PACKAGING

4.75 Gallon (17.9 Liters) Pail

POLYGLASS U.S.A., INC. MANUFACTURING FACILITIES

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

CORPORATE HEADQUARTERS

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