

POLYPLUS 60

PREMIUM NON-FIBERED ALUMINUM ROOF COATING

PRODUCT DESCRIPTION

Polyplus 60 is a premium quality reflective coating designed to protect a variety of asphalt-based roofs and most metal roof substrates. When applied to the roof, the aluminum flakes leaf to the surface, forming a reflective, metallic shield over the base material. Polyplus 60 contains a soft-settle formulation for easier mixing and is specifically formulated to be compatible with Polyglass roofing membranes.

USES

- Polyplus 60 is designed to apply over new or existing APP or SBS smooth or mineral surface cap sheets, asphalt built-up roofs and flashings.
- A variety of other substrates may be coated with Polyplus 60. 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

- Polyplus 60 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 Polyplus 60 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.
- Offers excellent weathering characteristics and will not prematurely crack or dry out.
- Offers a brilliant reflective barrier which should last for years.
- Non-destructive to asphalt based roofing membranes.

TYPICAL PHYSICAL PROPERTIES

TEST PROPERTY	TEST VALUE	TEST PROCEDURE
Reflectance (%)	60 - 65	CRRC -1
Brookfield (KU)	40 - 70	ASTM D 6511
Solids Weight (%)	> 45	ASTM D 1644
Flash Point (°F)	>105°F	PMCC
VOC (gm/l)	<500	Std method
Weight/gal (lb)	7.8 - 8.3	ASTM D 2939

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.



APPLICABLE STANDARDS

- Miami Dade County Approved
- Meets or exceeds the requirements of ASTM D 2824 Asphalt Roof Cement Type I



PACKAGING

4.75 Gallon (18.0 Liters) Pail

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

- Fernley, NV
- Hazleton, PA
- Winter Haven, FL

CORPORATE HEADQUARTERS

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- 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 PG100 Polyglass Asphalt Primer or for best results use PG800 Asphalt Emulsion prior to application of aluminum roof coating. Allow primer to dry prior to application of Polyplus 60.

Application:

- *Material Preparation:* IMPORTANT: Polyplus 60 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.
- Polyplus 60 may be applied by spray, roller or brush application methods. For best results, spray and use proper equipment.
- *Application Rate:* .5 - 1 gallon per square; coverage rate may vary depending on ambient temperature, surface porosity, as well as applicator and/or application technique. Care should be taken not to overwork the coating during application as this could have a detrimental effect on the leafing of the aluminum.
- *When to Apply:*
 - *Asphalt Emulsion:* Polyplus 60 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 incimate 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 material safety data sheet (MSDS) for specific data and handling of our products.

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.com



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