



GreenCoat Acrylic

Description

GreenCoat applications. GreenCoat is a single component, water-based, 100% acrylic elastomeric coating that is plasticizer free, for spray, brush or roller application. Once cured GreenCoat will provide a long lasting flexible membrane that will retain this flexibility in extreme climatic conditions. Being formulated to provide maximum UV resistance and minimize discoloration from dirt accumulation. Adhesion to most surfaces including metal, most single-ply roofs, wood, concrete and sprayed applied polyurethane foam (SPF). GreenCoat offers a watertight membrane with the ability to allow moisture to escape.

Typical Physical Properties ,

Tensile Strength	ASTM D2370	283 +/- 25 psi
Elongation	ASTM D2370	253 % +/- 25%
Hardness, Shore	ASTM D2370	50 - 55
Permeance	ASTM E96	14 +/- 3
Tear Resistance	ASTM D624	95 +/- 3 PSI
Solar Reflectance - Initial / Aged (3 years)	ASTM C1549	.87 / .78
Thermal Emittance – Initial / Aged (3 years)	ASTM C1371	.89 / .90
SRI Value – Initial / Aged (3 years)	ASTM E1980	109 / 98
Solids Content, Weight	ASTM D1644-01	65 +/- 2%
Solids Content, Volume	ASTM D1653	55 +/- 2%
Viscosity	ASTM D2196	110 +/- 10 KU
Low Temperature Flexibility	ASTM D522 (B)	Pass
Dry Time (75° F)		90 min @ 50% RH
Standard Colors		White, Gray and Tan

Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of this product.

Application Rates

1 gallons / 100 square feet
 (3.8 liters / 9.3 square meters) Wet Film Thickness 16 Mils

1 ½ gallons / 100 square feet
 (5.7 liters / 9.3 square meters) 24 Mils

Packaging

Container Size	Volume	Net Weight
5 Gallon Plastic Pail	5 Gallons	60 lbs

55 Gals Steel Drum 55 Gallons 662 lbs

Shelf Life 12 Months Unopened Stored between 40°F and 70°F





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Application Preparation

General: Surfaces to be coated should be dry, free of dust, dirt, oil, loose granules, gravel, peeling coating and other foreign matter. All wet insulation or foam should be removed and replaced with like materials.

For optimal results power wash all surfaces with a minimum of 2000 psi using a wide fan tip. All necessary precautions should be taken to avoid damage to the roof system. Mildew should be treated with a bleach solution (1 part bleach, 2 parts water) and rinsed thoroughly. Patch and repair cracks or holes with appropriate sealants or caulking materials.

Masonry: Allow fresh masonry to cure a minimum of 30 days, prime with Greenprime GP.

Metal: Rusty metal must be cleaned with a wire brush and primed with Greenprime Metal.

EPDM: Prime with Greenprime EP primer/cleaner, ensure no primer residue remains.

PVC, Hypalon, aged TPO: Prime with Greenprime SP.

Polyurethane Foam: Apply directly (must be coated within 24 hours of installation).

Granulated Asphalt: Base coat with Greencoat GS Base.

Smooth Asphalt: Base coat with Greencoat GS Base.

Coverage Rates, see above chart

Installation

1. All surfaces to be coated must be clean, dry, and paintable. It may be necessary to power wash and/or prime to enhance adhesion. Apply only to roofs that have adequate positive drainage or risk voiding the warranty. (NRCA) recommends a minimum slope of 1/4 inch per foot (or 2% slope).
2. Thinning or reducing is not recommended. Mix well before using. For drums: use a 314 hp air powered mixer with a 6" blade and shaft that will create a good vortex. For pails: use at least a 3" blade or a suitable hand mix paddle.
3. It is not recommended that this product be applied in temperatures below 50°F (10°C) or if inclement weather is expected within 1–6 hours of application. GreenCoat Acrylic Coating will not cure below 50°F (10°C).
4. This product is suitable for application through conventional or airless spray equipment or with a roller, squeegee, or brush. Utilize a pump with a minimum output of 1 gallon per minute and 2,000 psi fluid pressure capability at 2–3 gallons per minute. Use a 30-mesh screen or larger. Use a spray tip with a minimum orifice of .027" to .039" (.69 to .99 mm) and 50° fan angle. Medium to heavy nap roller pads are recommended.

Installation -continued

5. GreenCoat can be used as a top coat or in a single coat application.
6. SPF must be coated within 24 hours of application. Subsequent coats should be applied within 24 hours of prior applications to ensure full and uniform adhesion. Coating must be evenly applied and pinhole free. The coating will cure in 2 to 8 hours, dependent on weather conditions such as temperature and humidity. Do not install additional coats until coating is fully cured.
7. Cleanup of spray equipment containing uncured material may be accomplished by flushing with water

Precautions

- Not recommended for continuous immersion service, for use in cold storage applications without a vapor retarder, or directly over asphaltic surfaces without a sealer.
- Use an appropriate MESA/NIOSH approved respirator when exposure can exceed recommended PEL. This product is not recommended for interior use. Additional care must be taken to prevent rooftop HVAC equipment from introducing silicone vapors into interior areas during application. Building occupants should be warned of spray operations in process.
- It is not recommended to store this material at temperatures exceeding 100°F (38°C). Shelf life of unopened containers is 12 months. For maximum shelf life, store between 40°F and 70°F (4°C and 21°C). High temperatures will reduce shelf life.
- GreenCoat Acrylic coatings is water-based and may freeze and become unusable at temperatures below 32°F (0°C)

Review Ultratite Solution's specifications and details for complete installation information. Please contact Ultratite Solutions for more information.

