

RoofTite™ HT Acrylic

ACRYLIC COATING



OVERVIEW

RoofTite HT Acrylic Coating is a 100% acrylic, single-component, water-based, high tensile strength, elastomeric coating. This product is suitable for spray, brush, or roller application and is designed to provide protection for a wide range of building surfaces, such as roofs, vertical walls, masonry, and spray polyurethane foam (SPF) roofing systems. It is excellent for waterproofing and restoring existing roof systems, as well as for weather protection of SPF roofing systems.

FEATURES AND BENEFITS

- Higher tensile provides increased strength and durability
- Superior leak protection
- Easy to apply using airless spray equipment, roller, or brush
- Water-based and easy to clean up
- Excellent resistance to mildew, weathering, and UV exposure
- High solar reflectivity can contribute to energy savings

COVERAGE RATE

RoofTite HT Acrylic Coating is 55% solids by volume so that a typical application rate of 2 gallons per 100 square feet should yield a dry film thickness of approximately 15 mils in one coat. Waste, wind loss, and other variables will affect the actual dry film thickness.

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 (i.e. a minimum slope of 1/8 inch per foot).
2. Thinning or reducing is not recommended. Mix well before using. For drums: use a 3/4 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. RoofTite HT 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. Use hoses dedicated for acrylic coatings.
5. This product may be applied directly to any approved, clean, dry surface. SPF should be coated within 24 hours of application. Subsequent coats should be applied within 24–72 hours of prior applications to ensure full and uniform adhesion. Coating may be applied in 2 or 3 separate applications of contrasting colors, each applied at right angles to the previous coat. Coating must be evenly applied. The coating will dry in 2–12 hours, dependent on weather conditions (such as temperature and humidity), after which another coat can be applied. Approved roofing granules may be installed in the topcoat to improve aesthetics, traffic resistance, and impact resistance.
6. Cleanup of spray equipment containing uncured material may be accomplished by flushing with water.

PRECAUTIONS

- Not recommended for ponding water, continuous immersion service, use in cold storage applications without a vapor retarder, or directly over asphaltic surfaces without RoofTite BB base coat or primer/sealer.
- RoofTite HT Acrylic Coating is water-based and may freeze and become unusable at temperatures below 32°F (0°C).
- Do not apply over wet substrates or when inclement weather is imminent.
- The shelf life of this product in unopened containers when stored between 50°F and 100°F (10°C and 38°C) is 12 months from the date of manufacture.
- See Safety Data Sheet (SDS) for complete safety information.

RATINGS AND APPROVALS

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| Underwriters Laboratories | File R26705 |
| Evaluation Report | UL EX R26705 |
| CRRC Listed | |
| Title 24 compliant | |
| Meets Requirements of ASTM D6083 Standard Specification for Liquid Applied Acrylic Coating Used in Roofing | |

This product has achieved a UL Class A rating over a UL noncombustible deck and a Class B rating over a combustible deck when tested in accordance with UL 790.

SHIPPING INFORMATION

| Container Size | Gross Weight | Class |
|---|--|-------|
| 5-gallon pail (18.9 L) | 60.5 lbs. (23 Kg) | 55 |
| 55-gallon drum (208.2 L) | 650.5 lbs. (295 Kg) | 55 |
| D.O.T. Classification: BC - Roof Coating, Non-Regulated | Protect from freezing (32°F/0°C) during shipping and storage | |

TYPICAL PHYSICAL PROPERTIES

| Property | Test Method | RoofTite HT Acrylic |
|-------------------------|---|---------------------|
| Tensile Strength | ASTM D2370 | 475 psi |
| Elongation | ASTM D2370 | 580% |
| Tear Resistance | ASTM D624 | 130 lbf/in |
| Permeance | ASTM D1653B | 12 perms |
| Reflectivity | ASTM C1549 | 0.87 (white) |
| Emissivity | ASTM C1371 | 0.88 (white) |
| Solar Reflectance Index | ASTM E1980 | SRI - white: 110 |
| Low Temp. Flexibility | ASTM D522B | Pass |
| Accelerated Weathering | ASTM D4798 | Pass – 2,000 hours |
| Solids by Volume | ASTM D2697 | 55% ±2 |
| Solids by Weight | ASTM D1644A | 65% ±2 |
| Flash Point | ASTM D1310 | 210°F (99°C) |
| Water Absorption | ASTM D471 | 9% |
| Wet Adhesion to SPF | ASTM C794 | 6.2 pli |
| Fungi Resistance | ASTM G21 | 0 |
| Cure Time | Min 2 hrs @100°F & 90% RH Tack Free 8–12 hrs Recoat After 12–24 hrs | |
| VOC | < 50 g/L | EPA Method 24 |
| Color | White, Light Gray, Dark Gray, Tan | |

Special colors are available at an additional charge with minimum order.

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