RoofTite™ QS Acrylic
ACRYLIC COATING

OVERVIEW

RoofTite QS Acrylic Coating is a quick-setting, high-solids, fire-resistant, thixotropic, acrylic elastomeric coating. It was specifically developed for protection of sprayed polyurethane foam (SPF) roof systems and tanks/vessels. It is excellent for waterproofing and restoring existing roof systems, as well as prepared masonry, metal, wood, and asphaltic surfaces with the proper primer or basecoat.

FEATURES AND BENEFITS

- Provides excellent fire resistance and is approved by UL in many different roof assemblies
- Easy to apply with conventional or airless spray equipment, roller, or brush
- Excellent resistance to mildew, weathering, and UV exposure
- Quick skin over to prevent wash off before cure
- Excellent adhesion to properly prepared surfaces

COVERAGE RATE

RoofTite QS Acrylic Coating is 55% solids by volume, so that a typical application rate of 2.0 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 ⅛" per foot).
2. Thinning or reducing is not recommended. Mix well before using. For drums: use a ¾ 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 at temperatures below 50°F (10°C) or if inclement weather is expected within 1 to 6 hours of application. RoofTite QS 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 (3.8L/minute) and 2,000 psi (13,790 kPa) fluid pressure capability at 2 to 3 gallons per minute. Use a 30 mesh screen or larger. 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. RoofTite QS Acrylic can be used as a top or base coating or in single-coat applications.
6. 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 to 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 to 12 hours, depending 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.
7. Cleanup of spray equipment containing uncured material may be accomplished by flushing with water.

PRECAUTIONS

- Not recommended for: areas where water ponds on roofs, 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 QS Acrylic Coating will 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.

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RATINGS AND APPROVALS

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

TYPICAL PHYSICAL PROPERTIES

Property	Test Method	RoofTite QS Acrylic
Tensile Strength @73°F (23°C)	ASTM D2370	188 psi
Elongation	ASTM D2370	169%
Tear Resistance	ASTM D624	130 lbf/in
Permeance	ASTM D1653B	17 perms
Reflectivity (White)	ASTM C1549	0.83/79 (3 year aged)
Emissivity (White)	ASTM C1371	0.88/95 (3 year aged)
Solar Reflectance Index	ASTM E1980	SRI – white: 104 (initial) 99 (3 year aged)
Water Absorption	ASTM D471	8%
Low-Temp. Flexibility	ASTM D522B	Pass
Solids by Volume	ASTM D2697	55% ±2
Solids by Weight	ASTM D1644A	70% ±2
Wet Adhesion to SPF	ASTM C794	6.2 pli
Hardness, Shore A	ASTM D2240	45
Fungi Resistance	ASTM G21	0
Accelerated Weathering	ASTM D4798	Pass – 2,000 hours
Cure Time		Dry to Touch – 2 hours @ 100°F & 90% RH Tack Free – 8 to 12 hours Recoat After – 12 to 24 hours
VOC	EPA Method 24	< 50 g/L
Color		White and Gray

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.

SHIPPING INFORMATION

Container Size	Gross Weight	Class
5-gallon pail (18.9 L)	65 lbs. (29.5 Kg)	55
55-gallon drum (208.2 L)	700 lbs. (317.5 Kg)	55
D.O.T. Classification: BC - Roof Coating, Non-Regulated		
Protect from freezing (32°F/0°C) during shipping and storage		

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