

# SeamlesSEAL™ FR

## Acrylic Coating

### Overview

SeamlesSEAL FR Acrylic Coating is a 100% acrylic, single-component, water-based, premium quality elastomeric coating for spray, brush, or roller application. SeamlesSEAL FR Acrylic Coating is specifically developed for protection of sprayed polyurethane foam (SPF), other 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

- Superior leak protection
- Easy to apply with conventional or airless spray equipment, roller, or brush
- Excellent resistance to mildew, weathering, and UV exposure
- High reflectivity can contribute to energy savings

### Coverage Rate

SeamlesSEAL FR 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 1/8" 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 to 6 hours of application. SeamlesSEAL FR 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 to 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. SeamlesSEAL FR 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 a right angle to the previous coat. Coating must be evenly applied. The coating will dry in 2 to 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.
7. Cleanup of spray equipment containing uncured material may be accomplished by flushing with water.

*Review Carlisle Roof Foam and Coatings specifications and details for complete installation information. Please contact CRFC for more information.*

### 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 SeamlesSEAL FR base coat or primer/sealer.
- SeamlesSEAL FR 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.

## Ratings and Approvals

Underwriters Laboratories – File 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 non-combustible 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)	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		

## Typical Physical Properties

Property	Test Method	SeamlesSEAL FR
Tensile Strength @73°F (23°C)	ASTM D2370	279 psi
Elongation	ASTM D2370	502%
Wet Adhesion to SPF	ASTM C794	7.2 pli
Fungi Resistance	ASTM G21	0
Tear Resistance	ASTM D624	88 lbf/in
Low-Temperature Flexibility	ASTM D522B	Pass
Accelerated Weathering	ASTM D4798	Pass – 2,000 hours
Solids by Volume	ASTM D2697	55% ± 2
Solids by Weight	ASTM D1644A	70% ± 2
Solar Reflectance Index	ASTM E1980	SRI – White: 104
Flash Point	ASTM D1310	210°F (99°C)
Reflectivity	ASTM C1549	0.83 (White)
Emissivity	ASTM C1371	0.89 (White)
Cure Time	Dry to Touch – 2 hrs @ 100°F & 90% RH	
	Tack Free - 8–12 hrs	
	Recoat After – 12–24 hours	
VOC	EPA Method 24	< 50 g/L
Color		White, Light Gray, Dark Gray, 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.



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