

# I.S. ACRYLIC QUICK SPEC

## STRUCTURAL CONCRETE (RS-6)

**RST  
SPRAYER+**

**NOTE:** The following "Quick Spec" is an abbreviated specification and is not meant to replace the detailed specification. Complete 3-part CSI System Specifications are available at [www.gaf.com](http://www.gaf.com).



### METHOD REQUIREMENTS

#### Required:

- Moisture survey required (Must contain less than 8% moisture)
- Concrete must be fully cured
- Roof must be clean, dry and tight
- Repair deteriorated sections with like materials (Allow repairs to cure properly)
- Adhesion test required
- Power washing required
- Apply at 50°F (10°C) and rising with no rain, dew, fog or freezing temperatures in forecast for 8 hours

#### Recommendations:

- Refer to Technical Data Sheet for product specific application and surface temperature restrictions.

#### Installation Overview:

1. Before coating is applied, an adhesion test is required to

- ensure an adhesion minimum of 2.0 pounds per linear inch (PLI). Test patches will be conducted with Part A only (uncatalyzed) over the primer and should be applied with enough material to embed the fabric.
2. Power-wash substrate to remove contaminants that could negatively affect adhesion. Allow roof to completely dry.
3. Prime per chart below.
4. Treat all roof penetrations, drains, curbs, and scuppers. (Refer to Substrate Preparation section for requirements)
5. Treat structural joints with backer rod and compatible sealant, prior to seam treatment. (Refer to Seam Treatment Guide for requirements)
6. Control joints and transite gaps in excess of 1/16" (1.6 mm) shall also be caulked with a compatible caulk.
7. This is a two-part product that will be applied via a specialized RST sprayer, where the product will be catalyzed as it is sprayed.
8. Apply the catalyzed coating per the chart below:

#### CLEAN / PRIME

	Product	Rate (Gal/Sq)
Cleaner	Cleaning Concentrate (diluted)	0.5 - 0.7
Primer	Epoxy Primer	0.3 - 0.4

#### SEAMS & DETAILS<sup>1</sup>

Treatment Type	Product	Total (Gal/Sq)	Total (linear ft/gal)*	DFT* (mils)
3-Coursed Rates	Premium Brush-Grade Acrylic Flashing and Fabric	4.0	30	43
Flashing Grade Only Rates	Acrylic Butter Grade	2.0	100	19

\* Dry Film Thickness (DFT) is rounded to nearest mil, and is theoretical. Actual DFT will vary dependent on substrate profile, application technique and waste factor.  
 Note: DFT for 3-coursed rates includes 6 mils for the fabric.  
 Note: For other product options, please refer to our Seam Treatment Guide.  
<sup>1</sup>Flashing rates are based on a 6" (152 mm) width.

#### RST Sprayer Catalyst Pressure Settings<sup>◇</sup> (PSI) for Different Temperature-Humidity Conditions

Choose the temperature and humidity closest to current conditions to find an initial catalyst pressure setting <sup>◇</sup> .	Temperature, °F			
	Hot (80°F-100°F)	Moderate (65°F-80°F)	Cold (50°F-65°F)	
Humidity, %	Humid (50%-80%)	50	60	70
	Moderate (30%-50%)	45	50	60
	Dry (15%-30%)	40	45	50

<sup>◇</sup> Catalyst pressure needs to be optimized based on actual ambient condition, wind speed, and elevation. For best results, conduct a spray test in current conditions to confirm appropriate catalyst settings. This chart is only intended to serve as an estimated initial starting point.

#### STRUCTURAL CONCRETE

Coverage Term	Coating		Warranty/Guarantee**	
	1st Coat (Gal/Sq)	DFT* (mils)	Emerald Pledge™	Diamond Pledge™
10 Year	3.0	25	Yes**	No

\*\* Contractors must receive specialized training on the RST Spray equipment for enhanced system warranties or guarantees. Contact Technical Support Services for more information.

\* For more information visit: [www.rapidsetspray.com](http://www.rapidsetspray.com)