

UNISIL QUICK SPEC

STRUCTURAL CONCRETE (UN-7)

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.



METHOD REQUIREMENTS

Required:

- Moisture survey required (must contain less than 8% moisture)
- Repair deteriorated sections with like materials. Allow repairs to cure properly
- Roof must be clean, dry and tight
- Apply at 40°F (4°C) and rising with no rain, dew, fog or freezing temperatures in forecast for 8 hours
- Adhesion test required
- Power washing required
- Concrete must be fully cured

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 should be applied with rates listed below.
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 in excess of 1/16" (1.6 mm) shall be caulked with compatible caulk.
7. Apply coating per the chart below:

CLEAN / PRIME

	Product	Rate (Gal/Sq)
Cleaner	Cleaning Concentrate (diluted)	0.5 - 0.7
Primer	Multi-Purpose Primer	0.50 - 0.67

SEAMS & DETAILS

Treatment Type	Product	Total (Gal/Sq)	Total (linear ft/ gal)*	DFT* (mils)
3-Coursed Rates	Silicone Mastic and Fabric	2.50	75	45
Flashing Grade Only Rates	Silicone Mastic	4.00	50	60

Note: For other product options, please refer to our Seam Treatment Guide.

*Flashing rates are based on a 6" (152 mm) width.

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Coverage Term	Coating			Total		Warranties/Guarantees Available	
	1st Coat (Gal/Sq)	2nd Coat (Gal/Sq)	3rd Coat (Gal/Sq)	Gal/Sq	DFT* (mils)	Emerald Pledge™	Diamond Pledge™
10 Year	1.50	1.00		2.50	28	Yes	Yes
15 Year	1.25	1.00	1.00	3.25	37	Yes	Yes
20 Year	1.50	1.50	1.00	4.00	46	Yes	Yes

* 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.