



UNISIL HS & UNISIL HS II QUICK SPEC

STRUCTURAL CONCRETE (UH-7)



NOTE: The following “Quick Spec” is an abbreviated specification and is not meant to replace the detailed specification. Read the entire 3-Part CSI System Specification prior to starting the project. Non-job specific 3-Part CSI System Specifications are available at www.gaf.com.

Method Spray, roller, or brush

- Requirements**
- Moisture survey required.
 - Roof must be clean, dry, and tight.
 - Adhesion test required to ensure proper adhesion to substrate(s).
 - Apply at 40°F (5°C) and rising with no rain, dew, fog or freezing temperatures in forecast for 24 hours.
 - GAF recommends that the surface temperature be at or less than 110°F (43°C) during application.
 - Concrete must be full cured (typically takes 28 days).

- Application Instructions**
1. Before applying Unisil HS or Unisil HS II, an adhesion test is required to ensure an adhesion minimum of 2.0 pounds per linear inch (PLI). Test patches to be applied with rates listed below.
 2. Conduct moisture survey and remove/replace all wet areas.
 3. Repair or replace damaged or deteriorated sections with like materials, allowing cementitious products to cure properly.
 4. Power wash roof to ensure it is free of dirt, debris, oil, and other contaminants that could negatively affect adhesion. United Cleaning Concentrate (UCC) is recommended to clean the roof. Allow roof to completely dry.
 5. Prime using Unisil Primer.
 6. Treat structural joints with backer rod and compatible sealant, then treat with Unisil Silicone Flashing and Roof Mate Fabric.
 7. Control joints in excess of 1/16” (1.6mm) shall also be caulked with a compatible caulk.
 8. Treat all roof penetrations, drains, curbs, and scuppers.
 9. Apply coating per the chart below:

SEAMS & DETAILS UNISIL HS & UNISIL HS II			
Treatment Type	Product	Total (Gal/Sq)	DFT* (mils)
3-Coursed Rates	Unisil Silicone Flashing and Fabric	2.50	44
Flashing Grade Only Rates	Unisil Silicone Flashing	1.25	19

STRUCTURAL CONCRETE UNISIL HS & UNISIL HS II				
Warranty Term	Total		Warranty	
	Gal/Sq [‡]	DFT* (mils)	Emerald Pledge	Diamond Pledge
10 Year	1.75	27	Yes	No
15 Year	2.25	35	Yes	No
20 Year	2.75	42	Yes	No

* 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.

[‡]Coating may be applied at the maximum rate of **2.25 gal/sq per pass**, as long as the substrate and slope conditions allow. Maximum slope cannot exceed **2:12**.