



UNISIL HS & UNISIL HS II QUICK SPEC



SMOOTH ASPHALTIC (UH-5)

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.
 - GAF recommends that new asphaltic membranes and repairs age at least 30 days; 90+ days is ideal.
 - Do not apply over gravel surfaced asphaltic substrate.

- 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 membrane including seams, penetrations, flashings, curbs, and terminations with like materials.
 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 all roof penetrations, drains, curbs, and scuppers.
 7. Treat all "alligatored" areas or surface cracks.
 8. All loose seams must be 3-coursed with flashing grade and fabric. All other seams must be treated with flashing grade only, no fabric required.
 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

SMOOTH ASPHALTIC 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.