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# Technical Advisory Bulletin

To: GAF Commercial Sales, GAF Contractors, Field Services, AIS, CARE  
From: Technical Services  
No: TAB-C-47

## ***Guidelines for Unisil Applications on Acrylic-Coated Roofs with Poor Drainage***

### ***What Is The Concern?***

**GAF is providing new guidelines** for applying United Coatings™ Unisil Roof Coating on acrylic-coated roofs that lack positive drainage or otherwise pond water. If Unisil is applied in accordance with the requirements of this Technical Advisory Bulletin, leaks resulting from ponding water in these areas will not be excluded from warranty or guarantee coverage.

**Note:** These Guidelines only apply to Unisil Roof Coating. **Do NOT** use Unisil HS Roof Coating.

### ***What Do I Need to Know?***

**Roofs that lack positive drainage...** often have areas that pond water and these areas can be detrimental to the long term performance of acrylic coatings.

**GAF strongly recommends...** that areas which pond water be addressed before an acrylic coating is applied. This will allow the acrylic coating to perform better and help reduce the possibility of roof collapse.

**When eliminating the ponding is not required for safety reasons or is not a viable option...** United Coatings™ Unisil Roof Coating may be used in ponded water areas.

The following guidelines **MUST** be followed:

- **Unisil Roof Coating must be installed over eligible acrylic products**, which include: United Coatings™ Roof Mate™ Top Coat, United Coatings™ Diathon®, and HydroStop® PremiumCoat® Finish Coat.
- The Unisil Roof Coating must be applied **within 3 months** of the initial acrylic application and be completed prior to the final job inspection by GAF.
- Unisil Roof Coating **must extend out at least 4 feet (1.22 m) beyond any area that ponds water.**
- **Unisil Light Gray must be used** to best differentiate the silicone-treated areas on the roof.
- **Unisil Roof Coating must be applied at a total rate of 3.0 gal/100 ft<sup>2</sup> (12.2 L/10 m<sup>2</sup>),** consisting of 2 passes at 1.5 gal/100 ft<sup>2</sup> (6.1 L/10 m<sup>2</sup>) each over the eligible GAF acrylic coating.

If these requirements are followed in areas of ponding water, leaks resulting from ponding water in those areas will not be excluded from warranty or guarantee coverage for the applicable warranty or guarantee term, **but in no event longer than 20 years.**

*Additional Details...* **Ponding water...** GAF defines “ponding water” as water that does not drain or dissipate from the roof surface within 48 hours after precipitation ends. Ponding can also result from other water sources, including improperly piped air-conditioning condensate and steam condensate lines.

**Ponded water areas can be a challenge to locate...** once coated over. If you cannot find the ponded water areas after the acrylic has been applied, you can come back after it rains to mark where the areas are to be coated with Unisil Roof Coating. These areas must be properly cleaned and dried prior to the application of Unisil Roof Coating.

**Ponding areas can grow...** so extend the Unisil Roof Coating a minimum 4 feet (1.22 m) beyond the ponding area to ensure that if the ponding area extends, it is covered.

*Questions?*

**GAF Technical Services Can Assist You...** with these and other questions you may have regarding your new roof installation. Technical Support Services can be contacted at 800-766-3411. The GAF website is a great resource for just about any question you may have or for additional information you may require. Please visit [www.gaf.com](http://www.gaf.com) to find the latest information on our products and their installation.

**Important:** This document supersedes any prior GAF Technical Advisory Bulletins on this topic. Please always check [www.gaf.com](http://www.gaf.com) to make sure you have the most up to date information.