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Technical Advisory Bulletin

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

Guidelines for Silicone Applications on Acrylic Coated Roofs That Lack Positive Drainage i.e. Ponding Water

What Is Changing?

GAF is providing new guidelines for applying GAF Unisil Silicone Roof Coating and GAF High Solids Silicone Roof Coating on acrylic-coated roofs that lack positive drainage or otherwise pond water.

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.

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.

Ponding water areas can be a challenge to locate once a coating is applied. In order to determine if additional action is needed for ponding water areas, return to the roof following a rain event. If ponding water is observed, mark the areas to be coated with GAF High Solids Silicone Roof Coating or Unisil Roof Coating.

Efforts should be made to eliminate ponding waters areas prior to the initial application of an acrylic coating. GAF Unisil Silicone Roof Coating or GAF High Solids Silicone Roof Coating may be used in ponded water areas.

In order to obtain coverage under GAF guarantees or warranties for leaks in areas that pond water, the following guidelines **MUST** be followed:

- **The silicone roof coating must be installed over eligible GAF acrylic products**, which include: GAF Acrylic Top Coat, GAF Diathon®, and GAF Premium Acrylic HydroStop® Top Coat.
- **The silicone roof coating must be applied within 90 days** of the initial acrylic application and be completed prior to GAF’s post-completion or “final” inspection of the project.
- **The silicone roof coating must extend out at least 4 feet (1.22 m) beyond any area that ponds water**, as ponding areas can grow.
- **Light Gray silicone roof coating should be used** to best differentiate the silicone-treated areas on the roof.
- **GAF Unisil Silicone Roof Coating must be applied at a total rate of 3.0 gal/100 ft² (12.2 L/10 m²)**, consisting of 2 passes at 1.5 gal/100 ft² (6.1 L/10 m²) each.

- **GAF High Solids Silicone Roof Coating must be applied at a total rate of 2.0 gal/100 ft² (8.14 L/10 m²).** [Note: Two individual coats of 1.0 gal/100 ft² (4.1 L/10 m²), may be required if the slope and profile of the roof does not allow a single pass at the 2.0gal/100 ft² rate.

*Additional
Details...*

If these requirements are followed in areas of ponding water, covered leaks in those areas will not be excluded from warranty or guarantee coverage for the applicable warranty or guarantee term, **for a maximum of 20 years.**

Questions?

GAF Design Services Can Assist You with these and other questions you may have. Design Services can be contacted at 877-423-7663 or DesignServices@gaf.com. 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 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 to make sure you have the most up to date information.