

TECHNICAL ADVISORY BULLETIN



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To: GAF Commercial Sales, GAF Contractors, GAF Field Services

From: Technical Services Department

Subject: Ponding Water on TPO and PVC Membranes

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What Is Ponding Water?

GAF defines “**ponding**” water as water that does not drain or dissipate from the roof surface within **48 hours** after precipitation ends.

How Does Ponding Water Occur?

Ponding can occur from various water sources, such as:

- **Precipitation** (rain, snow, ice, freezing rain, etc.)
- **Equipment run-off** (including improperly piped air conditioning and steam condensate lines.)

What Are Some Effects Of Ponding Water?

Although ponding water for short durations may be unavoidable, it is important to get the water off the roof as soon as possible to avoid **long-term damage** to the roofing system.

Possible effects of ponding... ponding may lead to

- **structural load issues**, leading to deck deflection or possibly roof failure if left unaddressed,
- algae and other microbial growth, and
- a breeding ground for mosquitos and other fauna.

Proper slope and drainage... is important to reduce the potential for ponding water on a roof for the reasons listed above, among other. In most situations, local building codes require a minimum ¼:12 slope to provide positive drainage. Always consult local building codes for roof slope and drainage requirements.

Does My EverGuard® Diamond Pledge™ (NDL) Guarantee Cover Leaks in Areas of Ponding Water?

Yes, the EverGuard® Diamond Pledge™ (NDL) Guarantee covers leaks in areas where ponding water is present.

Where Can I Get More Information?

GAF Technical Services Can Assist You... with these and other questions you may have regarding your new roof installation. GAF Technical Services can be contacted at **800-ROOF-411** (800-766-3411). Also, 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.

Also, refer to the www.professionalroofing.net July 2012 article from NRCA titled “**STILL WATER RUNS DEEP - Proper roof slope and drainage are important to prevent excessive water accumulation.**”

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.