

# TECHNICAL ADVISORY BULLETIN

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](http://www.gaf.com) to find the latest information on our products and their installation.

Also, refer to the [www.professionalroofing.net](http://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](http://www.gaf.com) to make sure you have the most up to date information.