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# Technical Advisory Bulletin

**To:** GAF Commercial Sales, GAF Contractors, Field Services, AIS, CARE  
**From:** Technical Services  
**No:** TAB-C-44

## *Ponding Water on TPO and PVC Membranes*

### *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...** 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 mosquitoes 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 others. 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.

### *EverGuard® Diamond Pledge™ (NDL) Guarantee*

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

### *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.