

# TECHNICAL ADVISORY BULLETIN



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Largest Roofing Manufacturer!™

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

From: Technical Services Department

**Subject: Improperly Driven Nails**

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## What Are Improperly Driven Nails?

### Over Driven Nails...

#### Nails that are...

- Beneath the surface (granules) of the shingle (**Over Driven Nails**)
- Left above the surface of the shingle (**Under Driven Nails**)
- Driven in at an angle, cutting into the shingle (**Angled Nails**)

### Under Driven Nails...

#### Over-driving nails...

- Can drive the nails right through the shingle
- May barely hold the shingle to the roof deck, which will allow them to slide off of the roof deck
- Can be caused when the nail gun is set to the wrong pressure

### Angled Nails...

#### Under-driving nails...

- Lead to nail "pop" when the deck moves (expands and contracts)
- Can lift the shingle away from the self-sealant
- Pre-disposes "lifted" shingles to blow off in a wind event
- Can create holes in the shingles above if the nail pops through it

## What Is The Remedy?

#### Angled or crooked nails are not flush to the surface of the shingle and ...

- Will cut thru shingles
- Are subject to deck movement
- Have inadequate anchorage

#### To repair improperly driven nails at time of installation...

- Remove the nail
- Properly install a new nail
- Repair hole with plastic roof cement

#### To repair improperly driven nails after installation...

- Carefully lift the overlaying shingle and remove improperly driven nail
- Install a new nail in the proper location
- Install roof cement over hole and to ensure proper sealing of the shingle above

#### Check shingle application instructions...

- To determine the number and location of the dabs of cement to be used for hand sealing. All GAF shingle application instructions have hand sealing procedures listed

Follow the instructions for the particular product to be sealed

## 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.

**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.

