

TECHNICAL ADVISORY BULLETIN

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

From: Technical Services Department

Subject: Improperly Driven Nails

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No: TAB-R 2011-117

What Are Improperly Driven Nails?

Over Driven Nails...

Under Driven Nails...

Angled Nails...

What Is The Remedy?

Where Can I Get More Information?

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**)

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

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

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...

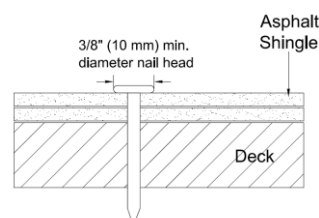
- To determine the number and location of the dabs of cement to be used for hand sealing. All GAF shingle application instructions have hand sealing procedures listed

Follow the instructions for the particular product to be sealed

GAF Can Assist You... with these and other questions you may have regarding your new roof installation. GAF 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.

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.

Properly Driven Nail



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