

TECHNICAL ADVISORY BULLETIN



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From North America's
Largest Roofing Manufacturer!™

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

From: Technical Services Department

Date: 05/29/2012

Subject: Lightning Protection Pad Installation On Asphaltic Systems

No: TAB-C 2012-10

What Does GAF Require And Why?

GAF requires... installing protective pads under all lightning rod and cable bases in contact with the roof surface.

The protection pad acts as a buffer or “protective layer” between the roof surface and the lightning rod or cable base.

- This extra layer ensures that the rod or cable base will not come in direct contact with roof surface.
- Without a protection pad, the lightning rod or cable base could potentially shift causing damage the roof membrane over its lifetime.

What Membranes Can I Use?

For granule surfaced modified bitumen or cap sheet roofing systems, protection pads... are to be installed using the same material as the cap sheet.

- This will ensure the pads will be compatible and properly adhere to the roof surface.
- This will also give the roof a uniformed “finished” look.

For gravel and smooth surfaced BUR roofing systems, protection pads ...are to be installed using one ply of Ruberoid® Mop Plus.

How Are The Protection Pads Installed?

A few things to consider when installing protection pads:

- The protective pad must be cut **at least 1” larger** in all directions than the lightning rod or cable base. This ensures that the base will not come in direct contact with roof surface.
- If the protection pad is to be installed to a smooth surfaced BUR, asphalt or cold applied Ruberoid® or GAFGLAS® cap sheet, adhere the protection pad by using approved TOPCOAT® Matrix™ adhesive products.
- If the protection pad is to be installed to a Torch or Heat Weld applied Ruberoid® cap sheet, torch or heat weld the protection pad as appropriate.
- Adhere the rod or cable base directly to the protection pad using an adhesive recommended by the lightning rod or cable base manufacture for use on granule surfaced asphaltic roof systems.

What Else Do I Need To Know?

GAF roof guarantees do NOT cover roof damage caused by or resulting from:

- Installation of lighting arresting equipment on the roof
- Damage to the roof caused by lightning arresting equipment
- Lightning damage

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.