



## Nailbase No. 4002

Subject: Asphalt Shingles

Date: February 2009 (Revised January 2019)

GAF, a leader in the manufacture of shingles, has examined the use of their asphalt shingles with ThermaFoam R-Control Nailbase substrates and have authored the attached Technical Advisory Bulletin. GAF has served notice that their products applied directly over ThermaFoam R-Control Nailbase substrates are acceptable and that no restrictions will be placed on their warranty.

## GAF's shingles are recommended as the preferred asphalt shingle product for use with ThermaFoam R-Control Nailbase substrates.

When using shingles other than GAF, please contact your asphalt shingle manufacturer to clarify their warranty coverage when applied over ThermaFoam R-Control Nailbase.





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		ality You Can Trust m North America's gest Roofing Manufacturer!™
From: Technical Services D		Date: 07/31/2014
SUBJECT: Acceptabl	e Substrate For GAF Asphalt Shingle Applications	<b>o:</b> TAB-R 2011-101- <b>R1</b>
Why Is The Substrate So Important?	A shingle roof substrate is the "foundation" for your roofing system. The substrat structural base on which asphalt shingles are installed. If the substrate is inferior, the system may be compromised.	e provides the smooth
What's Considered A "Standard Deck" For Shingles?	<ul> <li>Standard decks include:</li> <li>Plywood or OSB 3/8" minimum thickness, exterior grade as recommended by Wood Association</li> <li>Wood planking Nominal 1" thick (min.) x 6" wide (max.) wood planking, with at the ends and sides</li> <li>Note: For existing older installations, if spacing is &gt; 1/8" ≤ 1/4", install a double layer spacing is greater than 1/4" install a layer of 3/8" minimum thickness APA labeled er OSB over the wood planking.</li> </ul>	h a maximum 1/8" spacing er of underlayment. If the
Can The Other Substrates Be Used Without Prior Approval?	<ul> <li>When properly installed using the fasteners and construction design recommend manufacturer, the following substrates may be used:</li> <li>GAF Cornell ThermaCal® 1 Ventilating Roof Insulation Panels</li> <li>GAF Cornell ThermaCal® 2 Ventilating Roof Insulation Panels</li> <li>Loadmaster Shingle Deck</li> <li>Tech Shield or equivalent Radiant Barrier Decking systems with vapor permeate Ainsworth's Thermastrand Radiant Barrier</li> <li>2" Minimum Homasote or Thermasote (Homasote Co.)</li> <li>2" Minimum Span Rock Gypsum Plank (USG) – fasteners must have a minimum Vented-R (Atlas)</li> <li>Vented Nail-Line (Apache)</li> <li>Hunter Vented Nail Base</li> <li>Foam-Control Nail Base (AFM Corp. Licensed Mfr.)</li> <li>Tectum III, Tectum E and Tectum NS (Tectum, Inc.)</li> <li>Huber Zip Deck System – A waterproof underlayment such as StormGuard<sup>®</sup> leaves as required by code or for certain warranty considerations and additionan needed on slopes less than 4:12 or on re-roofing projects.</li> </ul>	ole, perforated foil backing n 40 lbs. of pullout ak barrier must be used at al underlayment may be
What About Structural Insulated Panels (SIP)?	<ul> <li>SIP may be use when:</li> <li>Approved/rated by UL for use as a shingle roof deck</li> <li>With the minimum thickness of plywood or OSB as recommended above instal SIP panel manufacturers recommendations for use as a shingle roof deck</li> </ul>	lled in accordance with the
What About Codes?	Roof decks must meet local codes and approval from the local building departme confirm the deck construction and ventilation meets local code requirements.	ent should be obtained to
Is The Substrate Or Workmanship Covered Under GAF Warranties?	Only GAF Cornell ThermaCal® 1 & 2 Ventilating Roof Insulation Panels are covered by Cornell ThermaCal® Nail Base Roof Insulation Limited Warranty. See this limited was coverage and restrictions. All substrates must be installed in accordance with the deck manufacturer's specific installation instructions, including the need for a vapor retarder, for specific deck ty the respective manufacturer. GAF does not warrant the installation method, the per or problems with the shingles caused by the deck or substrate, including but not lim movement, thermal bridging and/or moisture migration at the joints.	<b>fications.</b> Roof deck pes must be obtained from rformance of the decking
Where Can I Get More Information?	<b>GAF Technical Services can assist you</b> with these and other questions you may har installation. GAF Technical Services can be contacted <b>at 800-ROOF-411</b> (800-766-3-website is a great resource for just about any question you may have or for addition require. Please visit: <u>www.gaf.com</u> .	411). Also, the GAF