



Nailbase No. 4002

Subject: Asphalt Shingles

Date: February 2009

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

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

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

Other asphalt shingle manufacturers have varying levels of warranties when their shingles are applied to all types of insulated roof decks. Some manufacturer's have a concern that a non-vented roof system might cause excessive heat build-up within the shingle, thus reducing the life of the shingle.



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Steep Slope Technical Point

No: 101-09

TO: Steep Slope Sales Team,
GAF-Elk Contractors, GAF-Elk
Distributors.

FROM: Contractor Services

DATE: 01/28/09

SUBJECT: *Acceptable Substrates For GAF-Elk Shingle Applications*

<i>Why Is The Substrate So Important?</i>	A shingle roof substrate is like the “foundation” for your roofing system. The substrate provides the smooth structural base on which asphalt shingles are installed. If the substrate is inferior, the integrity of the roofing system may be compromised.
<i>What’s Considered A “Standard Deck” For Shingles?</i>	Standard decks include: <ul style="list-style-type: none">○ 3/8” Minimum APA labeled exterior grade plywood or OSB decking○ Nominal 1” thick (min.) x 6” wide (max.) wood planking, with a maximum 1/8” spacing at the ends and sides for new installations, or○ Nominal 1” thick (min.) x 6” wide (max.) wood planking, with a maximum 1/4” spacing at the ends and sides for existing older installations using a double layer of underlayment for light weight shingles such as Sentinel®.○ Wood planking, nominal 1” thick (min.) x 6” wide (max.) with spacing greater than 1/4” at the ends and sides for existing older installations will require an additional layer of 3/8” minimum APA labeled exterior grade plywood or OSB decking.
<i>Can Other Substrates Be Used Without Prior Approval?</i>	When properly installed and using the fasteners recommended by the deck manufacturer, the following substrates may be used: <ul style="list-style-type: none">• Loadmaster Shingle Deck (except Sentinel® and Timberline® 30 Shingles)• Tech Shield or equivalent Radiant Barrier Decking systems with vapor permeable, perforated foil backing• 2” Minimum Homasote (Homasote Co.)• 2” Minimum Thermasote (Homasote Co.)• 2” Minimum Span Rock Gypsum Plank (USG) – fasteners must have a minimum 40 lbs. of pullout• Vent-Top Thermacal (Cornell)• Vented-R (Atlas)• Vented Nail-Line (Apache)• Hunter Vented Nail Base• R-Control SIP Panel (AFM Corp. Licensed Mfr.)• Foam-Control Nail Base (AFM Corp. Licensed Mfr.)• Huber Zip Deck System – A waterproof underlayment such as Stormguard® must be used at eaves as required by code or for certain warranty considerations and additional underlayment may be needed on slopes less than 4:12 or on re-roofing projects. <p>Note: GAF-Elk shingles are not approved for applications directly over any insulation or fiberboard.</p>
<i>What About Codes?</i>	Roof decks must meet local codes... and approval from the local building department should be obtained to confirm the deck construction meets local code requirements.
<i>Is The Substrate Or Workmanship Covered Under GAF-Elk’s Warranty?</i>	No. The substrate must be installed in accordance with the deck manufacturer’s specifications. Roof deck installation instructions for specific deck types must be obtained from the respective manufacturer. GAF-Elk does not warrant the installation method, the performance of the decking or problems with the shingles caused by the deck or substrate.
<i>Where Can I Get More Information?</i>	GAF-Elk Technical Services can assist you... with these and other questions you may have regarding your new roof installation. GAF-Elk Technical Services can be contacted at 800-ROOF-411 (800-766-3411). Also, the GAF-Elk website is a great resource for just about any question you may have or for additional information you may require. That site is at: www.gaf.com