

Under Deck Sprayed-In-Place Foam Insulation

Steep Slope Technical Point

Updated: 12/08



*Quality You Can Trust Since 1886...
From North America's Largest Roofing Manufacturer™*



Steep Slope Technical Point

No: I35-08

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

FROM: Contractor Services

DATE: 12/02/08

SUBJECT: *Under Deck Sprayed-In-Place Foam Insulation*

<i>What Is Sprayed-In-Place Foam Insulation?</i>	<p>Sprayed-in-place insulation is...</p> <ul style="list-style-type: none"> Usually a two-part spray on foam insulation, commonly applied to wall cavities and the bottom of roof decks as a part of the building envelope's insulation assembly.
<i>Additional Information About Sprayed-In-Place Foam Insulation You Should Know</i>	<p>Using sprayed-in-place insulation</p> <ul style="list-style-type: none"> Is installed to assist in the energy performance of a home. When installed in accordance with the 2006 International Residential Code (the IRC) and the 2007 IRC Supplement, is an accepted method of insulating a roof assembly. May lead to condensation problems, mold growth, deck deterioration, damage of fiberglass asphalt shingles, and structural damage when not installed according to the manufacturer's instructions and building code requirements.
<i>Will Sprayed-In-Place Foam Insulation Damage My Roof?</i>	<p>Sprayed-in-place insulation</p> <ul style="list-style-type: none"> Applied directly to bottom side of roof decks, the insulation does not allow for airflow on the bottom of the deck like in a traditional vented attic assembly. It is the responsibility of the design professional to examine the need for structural ventilation and to insure interior air quality. For any building, construction must be in compliance with local codes.
<i>What Does GAF-Elk Recommend?</i>	<p>GAF-Elk recommends...</p> <ul style="list-style-type: none"> Proper attic ventilation following the FHA/HUD 1/300 rule, which calls for 1 sq.ft. of net free (open) soffit to ridge ventilation of per 300 sq.ft. of attic floor space. GAF-Elk does, however, recognize the emergence of unvented attic assemblies and recommends that all code requirements be met and the manufacturer's recommendations followed when installing an unvented attic assembly. There are retrofit applications of sprayed-in-place foam insulation that allow for ventilated attic assemblies. Where this type of application is installed, GAF-Elk's recommendation of proper attic ventilation amounts should be followed.
<i>Will Sprayed-In-Place Foam Insulation Void My Warranty?</i>	<p>No, the GAF-Elk Shingle Limited Warranty against manufacturing defects will remain in effect.</p> <ul style="list-style-type: none"> However, any damage to the shingles attributable to using sprayed-in-place insulation directly applied to the roof deck or lack of ventilation is excluded from GAF-Elk's responsibility under the terms of our Limited Warranty.
<i>Where Can I Get More Information?</i>	<p>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, <i>the GAF-Elk website is a great resource</i> for just about any question you may have or for additional information you may require. Please visit: www.gaf.com</p>