

# TECHNICAL BULLETIN

## **HUBER<sup>®</sup> ENGINEERED WOODS LLC** **ZIP SYSTEM<sup>™</sup> ROOF SHEATHING**

This will confirm Elk premium roofing products are approved for use with the ZIP System<sup>™</sup> Roof Sheathing and carry the full limited warranty, provided the following installation requirements are followed:

1. The deck is 7/16" minimum thickness APA or TECO rated oriented strandboard (OSB).
2. The ZIP System is applied in strict accordance with the specifications and guidelines of Huber<sup>®</sup> Engineered Woods LLC.
3. Apply Elk starter strip, Elk hip and ridge shingles, and Elk field shingles in accordance with the recommendations printed on each bundle wrapper. Elk hip and ridge shingles will carry the limited warranty period applicable to the Elk field shingles.
4. When reroofing involves a tear off, apply one layer of #15 or #30 non-perforated asphalt saturated underlayment over the entire roof deck.
5. **For low slopes 2:12 up to 4:12**, follow ARMA (Asphalt Roofing Manufacturers Association) guidelines:
  - a) For new construction - apply one layer of #15 or #30 non-perforated asphalt saturated underlayment.
  - b) When reroofing involves a tear off – apply two layers of #15 or #30 non-perforated asphalt saturated underlayment.
6. Elk will not be responsible for deficiencies or movement in the roof deck, manufacturing defects of the fasteners resulting in failure to perform, and/or improper application of the substrate or Elk fiberglass shingles.

For our product specifications, limited warranties, or other information regarding Elk premium roofing products, please contact the Elk location nearest you or visit our web site at [www.elkcorp.com](http://www.elkcorp.com).

For information regarding the Zip System Roof Sheathing or the application guidelines, please call 800-933-9220 or visit their web site at [www.huberwood.com/zip/](http://www.huberwood.com/zip/).

TBSD-059 Date Issued: 2/24/05

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# Acceptable Substrates for Shingle Applications

## Steep Slope Technical Point

Updated: 5/09



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



# Steep Slope Technical Point

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

FROM: Contractor Services

DATE: 05/26/09

No: 10I-09

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

<b>Why Is The Substrate So Important?</b>	<b>A shingle roof substrate is like the “foundation” for your roofing system.</b> 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.
<b>What’s Considered A “Standard Deck” For Shingles?</b>	<b>Standard decks include:</b> <ul style="list-style-type: none"> <li>○ 3/8” Minimum APA labeled exterior grade plywood or OSB decking</li> <li>○ 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</li> <li>○ Nominal 1” thick (min.) x 6” wide (max.) wood planking, with a maximum ¼” spacing at the ends and sides for existing older installations using a double layer of underlayment for light weight shingles such as Sentinel®.</li> <li>○ Wood planking, nominal 1” thick (min.) x 6” wide (max.) with spacing greater than ¼” 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.</li> </ul>
<b>Can Other Substrates Be Used Without Prior Approval?</b>	<b>When properly installed and using the fasteners recommended by the deck manufacturer, the following substrates may be used:</b> <ul style="list-style-type: none"> <li>• Loadmaster Shingle Deck (except Sentinel® and Timberline® 30 Shingles)</li> <li>• Tech Shield or equivalent Radiant Barrier Decking systems with vapor permeable, perforated foil backing</li> <li>• Ainsworth's Thermastrand Radiant Barrier</li> <li>• 2” Minimum Homasote (Homasote Co.)</li> <li>• 2” Minimum Thermasote (Homasote Co.)</li> <li>• 2” Minimum Span Rock Gypsum Plank (USG) – fasteners must have a minimum 40 lbs. of pullout</li> <li>• Vent-Top Thermacal (Cornell)</li> <li>• Vented-R (Atlas)</li> <li>• Vented Nail-Line (Apache)</li> <li>• Hunter Vented Nail Base</li> <li>• R-Control SIP Panel and 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® 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.</li> </ul> <p><b>Note:</b> GAF-Elk shingles are not approved for applications directly over any insulation or fiberboard.</p>
<b>What About Codes?</b>	<b>Roof decks must meet local codes...</b> and approval from the local building department should be obtained to confirm the deck construction meets local code requirements.
<b>Is The Substrate Or Workmanship Covered Under GAF-Elk’s Warranty?</b>	<b>No. The substrate must be installed in accordance with the deck manufacturer’s specifications.</b> 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.
<b>Where Can I Get More Information?</b>	<b>GAF-Elk Technical Services can assist you...</b> with these and other questions you may have regarding your new roof installation. GAF-Elk Technical Services can be contacted at <b>800-ROOF-411</b> (800-766-3411). Also, <b>the GAF-Elk website is a great resource</b> for just about any question you may have or for additional information you may require. That site is at: <a href="http://www.gaf.com">www.gaf.com</a>