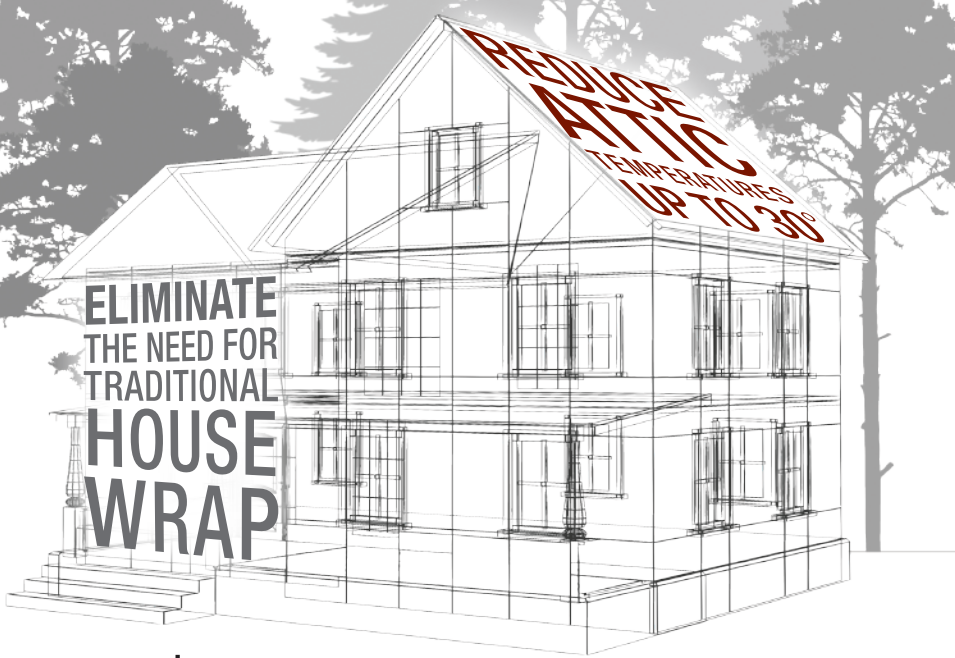


A Superior Roof & Wall Sheathing Solution, One Quality Product.



eclipse[™]
Radiant Barrier Panels

Eclipse[™] Radiant Barrier Panels are a cost-effective and energy-efficient roof sheathing solution, reducing attic temperatures by as much as 30°F.

eclipse
Energy Guard

Lower utility bills
Enhance comfort
Improve appliance performance
Heighten energy efficiency
Increase home value
Available FSC[®] certified



Home cooling costs are a concern of every homeowner. Significantly reducing these costs starts with Eclipse[™] Radiant Barrier panels from RoyOMartin. Eclipse[™] produces a superior radiant barrier from the sun's scorching radiant heat. **Eclipse's[™] specially designed foil backing can block up to 97% of the sun's radiant heat, reducing attic temperatures by as much as 30°F.** Cooler attic temperatures help to create cooler homes and reduce utility costs. Plus, lower attic temperatures produce cooler duct work, thereby extending the life of air-conditioning systems.




RoyOMartin
WOOD WORKS-naturally[®]

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Definition of a Radiant Barrier

Eclipse™ is a roof-mounted radiant barrier OSB panel that intercepts the flow of radiant energy to and from a building component. Eclipse™ works by reducing the amount of radiation incident on, and heat flow through, the insulation.

The Reflective Insulation Manufacturers Association International (RIMA-I) recognizes and supports the American Society for Testing and Materials (ASTM) standards for radiant barriers, specifically ASTM 1371, ASTM C1313, ASTM C1158, and ASTM C168. The thermal performance, or the reduction of radiant heat transfer, is directly proportional to the surface emittance of the radiant barrier material. Emittance measurements of all materials range between zero (0), no radiant heat transfer, and one (1), that of a black surface or complete radiant heat transfer. For more information visit the RIMA-I website at www.rimainternational.org or call 1-800-279-4123.

The Florida Solar Energy Center (FSEC) conducted a study on radiant barriers with no indication of damage to the roofing material from the use of radiant barriers. The result of this study is that properly installed radiant barriers, when used under shingles, do not affect shingle life.

Emittance & Reflectance

Emittance is how much heat is emitted from a material. Aluminum has a very low emittance, meaning heat is not transmitted from its surface. Products defined as radiant barriers have surface emittance less than or equal to 0.1. Eclipse™ has an emittance of 0.03.

Reflectance is how much energy is reflected, not absorbed, by a surface. Aluminum has a high reflectance. The lower the emittance of a surface, the higher its reflectance and the more energy efficient it is. Dust on the surface of aluminum foil increases emittance and decreases reflectivity. This commonly occurs with upward-facing, horizontally positioned surfaces (Source: U.S. Department of Energy). Horizontal Eclipse™ roof applications are not recommended.

Storage & Handling

All oriented strand board (OSB) materials should be stored to avoid excessive moisture pick-up and must be covered and kept free from construction dust and moisture during storage and installation. Exposure to rain, snow or similar elements compromises product performance and may void the warranty.

Installation Requirements

Install Eclipse™ Radiant Barrier panels with Eclipse™ foil side inward toward attic space for roof applications and outward for wall sheathing applications, adhering to local building codes.

- See TuffStrand™ installation guide for span rating, fastener, and spacing details.
- Keep aluminum surface clean.
- Circular saw cuts must be made with foil side facing down to avoid foil damage.
- Leave a minimum of 3/4" air space between radiant barrier and insulation material.
- Torn spots on Eclipse™ Radiant Barrier panels or damaged Energy Guard adhesive tape should be repaired.
- All material must immediately be covered when installed and not allowed to get wet due to rain, snow or other forms of moisture; failure to do so voids product warranty
- Metal spacer (plywood) clips typically used as guides for spacing on roof-sheathing panels are not recommended for use with Eclipse™ Radiant Barrier. If local building codes require spacer clips, synthetic or non-metallic spacer clips are recommended.

Important Notice

This product is designed to meet international building codes; however, local building codes may supersede. These instructions are not intended to cover every installation requirement, application, detail or variation, nor do they provide for every possible installation contingency. If any questions or problems arise concerning the installation of this product or its suitability for the purchaser's particular use, inquiries should be made to RoyOMartin. The information about products and application instructions printed herein is current at the time of publication; however, in accordance with RoyOMartin's policy of constant product improvement, the right is reserved to vary these application instructions and product specifications without notice. When placing your order, ask for the most recent product information. Printed February 2012.

Available Sizes

Eclipse™ applied to Oriented Strand Board (OSB)
Lengths*: **Thicknesses^:**
 96 in. 7/16 in., 15/32 in., 1/2 in., 19/32 in., 23/32 in.
 108 in. 7/16 in., 15/32 in., 1/2 in., 19/32 in.

For product warranty information, see RoyOMartin's 25-year limited warranty for details.

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