



Frequently Asked Questions

What differentiates our products from others in the market?

Our products are **Made in the USA** and are the strongest in the industry. Our products are constructed with a 70G film that makes them easier to install, strong enough to hold a staple without tearing, and almost impossible to rip or tear.

How to compare our materials to what's available in the market?

Many retailers offer what seems to be a lower price until their quantity and technical specs are examined. A \$99 roll of radiant barrier isn't a good purchase if the roll is 500 sq ft. Our 70G material over 20 percent stronger than most manufacturer's standard 55G rolls.

This added strength makes our product easier to install.

What is the difference between RFID Double Sided and RFID Single Sided Radiant Barrier?

Single Sided is used primarily in the Agriculture, House wrap, Inventory Management and DIY sectors.

Double Sided is used primarily in residential attic applications.

What is the difference between the RFID Reflective Bubble products?

The RFID Single Sided material is used primarily in Inventory Management applications, ducts, pipe wrap and consumer DIY projects.

The RFID Double Sided material is used primarily in residential side walls, basement vapor barriers, under slab and commercial warehouse applications.

The RFID Single Sided is 1/8th of an inch thick. The Double Sided is 1/4th of an inch thick. The thicker material is easier to install in warehouse applications.

What is the difference between RFID Double Sided and Single Sided products?

Cosmetic. Many customers prefer viewing a white material (visible) looking down on them than silver.

Do RFID Radiant Barriers void any roof or siding materials?

No. Various roof shingle manufacturers have signed a statement affirming that RFID Radiant Barrier does not void any shingle warranty offered to consumers. (See attached.)

What are our competitors retail pricing?

One roll of Single Sided Radiant Barrier 1,000 sq ft material ranges between \$139 and \$159 a roll.

Double Sided Reflective Barrier 1,000 sq ft material pricing ranges between \$159 to \$179.

What are the retail prices of our RFID Reflective "Bubble" products?

Single Sided Bubble Foil/White
\$172.00 for a 4 x 125 (500 sq ft roll) - 34 cents psf.

Single Sided Bubble Foil/Foil
\$172.00 for a 4 x 125 (500 sq ft roll) - 34 cents psf.

Double Sided Bubble Foil/White
\$198.00 for a 4 x 125 (500 sq ft roll) - 39.6 cents psf.

Double Sided Bubble Foil/Foil
\$198.00 for a 4 x 125 (500 sq ft roll) - 39.6 cents psf.

Why do RFID Single Side 500 sq ft rolls cost more than RFID Single Sided 1,000 sq ft rolls?

RFID Single Side Barrier costs more because the material is fundamentally constructed differently than RFID Double Sided. The polyethylene (white side) has to be considerably thicker than the film (middle) in the Double Sided material or the rolls would curl. Also, production costs are higher manufacturing a 500 sq ft roll.

The Effect Of Radiant Barriers In An Attic Application On Exterior Roofing Materials – Technical Bulletin 103 June 15, 2020|Technical Documents

The effect of attic radiant barriers on the temperatures of roofing materials is the subject of a recently completed RIMA-I study. Dark roofing material (shingles) can absorb as much as 95% of incident solar radiation and, as a result, will increase in temperature above the surrounding air temperature. The temperature reached by a roof in the heat of the day depends partly on the amount of heat transferred downward into the attic and conditioned space. The installation of an attic radiant barrier significantly decreases the amount of heat transferred in the downward direction with the result that the roof material temperatures will increase. The questions addressed by this bulletin are the magnitude of the temperature increase and the effect of the temperature increase on material warranties. The results of this study are:

- Roof shingle temperature increases due to attic radiant barriers are 2 to 5 degrees Fahrenheit.
- Roofing material warranties are not affected by the installation of attic radiant barriers.
- Since 1989, The US Department of Energy has sponsored significant research relating to radiant barriers. In the early 1990s, many associations, networks, departments, and manufacturers have joined the search for more information on the effects and potential energy savings of attic radiant barriers.

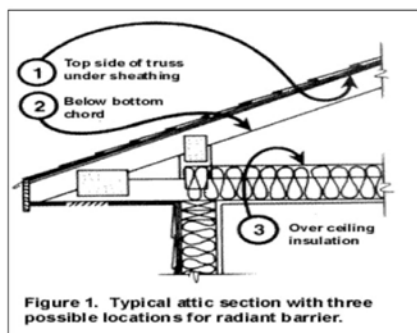


Figure 1. Typical attic section with three possible locations for radiant barrier.

The Florida Solar Energy Center (FSEC) conducted a study on radiant barriers with no indication of damage to the roofing materials from the use of radiant barriers. This evaluation confirmed the energy-savings benefits of using radiant barriers in attics.

The result of this study is a general consensus – properly installed radiant barriers, when used under shingles, do not void the warranty for the shingles.

If a radiant barrier system includes an enclosed air space, then there will be a thermal resistance (R-value) added to the thermal performance of the radiant barrier. Figure 1 shows three places where a radiant barrier may be installed in the attic. Attic radiant barriers must be in conformance with the following Industry standards:

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| ASTM C 1313-00 | Standard Specification for Sheet Radiant Barriers for Building Construction Applications |
| ASTM C 1158-01 | Standard Practice for use and Installation of Radiant Barrier Systems (RBS) in Building Construction. |