



Time Tested Performance

Comparing Silver Shield Radiant Barrier to an IRCC is like comparing a high performance car to an economy car. It's not close. Performance matters especially in energy efficiency and comfort for your home. Choose the product with decades of performance and tens of thousands of installations nationally. The best thermal performance; the best warranty, and a brand that consistently gets chosen by national companies with their reputation at stake.

Silver Shield Radiant Barrier

Features & Benefits:

- ♦ Highest Performing Radiant Barrier Product and Application
- ♦ Saves Energy and Improves Comfort
- ♦ Significantly Reduces Attic Temperatures in Summer months
- ♦ Improves Duct and Insulation Performance by 50%
- ♦ Cools Bonus Rooms and Other Rooms Facing Attics
- ♦ 20-year Transferrable Warranty on materials and labor
- ♦ Helps Homes Qualify for New Energy Star and Energy Code requirements
- ♦ Qualifies for credits under Various Green Building Certification Programs

View the video at www.SilverShieldRB.com

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Home Energy & Comfort - Solutions for Your Attic

Technology Comparison:

High Performance Radiant Barrier System



Versus



**Spray-Applied Interior Radiation Control Coating
(IRCC)**

The Truth about: Low-e Coatings

Low-e Coatings (sometimes called Radiant Barrier Paints) are materials which reflect or do not emit radiant energy. The American Society for Testing and Materials (ASTM) International has developed a standard for classifying these coatings (ASTM C 1321 “Standard Practice for Installation and Use of Interior Radiation Control Coatings Systems in Building Systems”). Any coating with an emittance of 0.25 or less is classified as Interior Radiation Control Coatings or IRCCs.

In contrast, Radiant Barriers, as defined by ASTM C1313, must have an emittance of 0.10 or less. By definition and performance, IRCCs reduce the surface emittance of typical building materials but they are only about 60% as effective as foil or metalized radiant barriers.

Comparison Table	Silver Shield	IRCC's
Emittance	0.03	0.19 — 0.25
Meets Definition of a Radiant Barrier; Emittance of 0.10 or less.	Yes	No
Relative Thermal Performance	Multiple Layers provide approximately 20% more savings and performance over other Radiant Barriers ¹	60% Effectiveness of a standard Radiant Barrier ²
Compliance: Installation can be inspected for compliance to published specifications by markings on the installed product.	Yes	No
Coverage and Application Verification	Visual inspection	Thickness of coverage of the installed product cannot be determined on-site, without instrumentation
Manufacturer's Warranty	20 Year Transferable including Labor	Typically 1 year
Shelf Life	No restrictions	Up to 15 months
Use after Opening (if IRCC is 2-part product)	No restrictions	Within 24 hours, after Part A & B are mixed

1. Radiant Barrier Comparison Report, Yarbrough August 2012
2. A Comprehensive Review of Radiant Barrier Research Including Laboratory and Field Experiments, Medina, Published in ASHRAE, January 2012