

## THERMAL RADIANT BARRIER



### Advantages:

Drastically reduces your homes  
A/C energy consumption

Extends the life of your  
homes HVAC systems

Reflects 95% of radiant heat  
keeping your attic cool

Provides a more comfortable  
living space

Attics stay cooler in summer  
and warmer in winter

Limited Lifetime Warranty



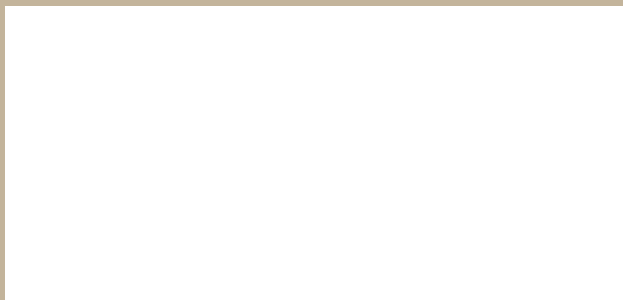
## INTELLISHIELD Radiant Barrier

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# Intellishield

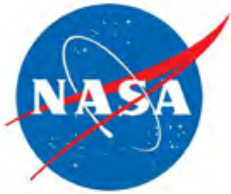
“Radiant Barrier”

Heavy-duty radiant barrier foil  
drastically reduces attic temperature

# Intelli-Shield

## Overview

Attic temperatures can reach more than 140 degrees. Trying to cool your home can be a heavy load on A/C systems. When stapled to the attic roof rafters you will see noticeable energy savings while increasing your homes overall comfort. Radiant barrier foil is a highly reflective thermal blanket that reflects 95% of attic heat. Heavy-duty radiant barrier is at the cornerstone of energy saving product available today.



*"For the Apollo program NASA helped develop a thin aluminum metalized film which reflected 95% of the radiant heat. Metalized film was used to protect spacecraft, equipment and astronauts from thermal radiation in the extreme temperature fluctuations of space."*



## Specifications

GENERATIONAL ENERGY / INTELLISHIELD® Radiant Barrier Foil

ASTM E96-11 (g/m 2/24hr); 13 perms Thermal Properties:

ASTM C1371-12 (reflects 95% of infrared heat)

ASTM E408 REFLECTIVITY: 95% EMISSIVITY: 0.05%

ASTM C1338-12 Resistance to Fungi: (PASS-NO GROWTH)

ASTM D3310-12 Grade-1 PASS (7 days @ 160°F) Corrosivity:

ASTM C1313-12 (70°F±5°F & 50±5% RH) Adhesive Pliability: No Cracking or Delamination

ASTM C1313-12 No Bleeding or delamination



**Product:** Double-sided Metalized PET with inner woven polyethylene scrim

**Weight:** 30.07 lbs. per 1,000 square foot roll +/- 5%

**Tensile Strength:** test method ASTM D-2261 Machine Direction: 14 lbs. Cross Direction: 22 lbs.

**Fire Rating:** CLASS (A) CLASS (1) ASTM E84-12 Flame Spread: 15 Smoke development: 75

**Fire Rating:** CLASS (A) CLASS (1) ASTM E84-12 (2599 MOUNTING METHOD)

**Flame Spread:** -0- Smoke Development: 38 Water Vapor Permeability:



*"Radiant barrier was inducted into the Space Technology Hall of Fame in 1996."*