

# RADIANT SHIELD™

## FLEXIBLE ATTIC RADIANT BARRIER

### Relief From the Heat

Ever wished you could find a way to stay cool in the summer without running the air conditioner to death? **Radiant Shield™** may be the solution that you have been waiting for. When summer temperatures soar, **Radiant Shield™** helps you get relief from the heat by lowering attic temperatures and reducing the load on your air conditioner. Traditional mass insulation works by slowing down conductive and convective heat transfer, but does little to stop radiation--a major contributor to summer heat accumulation in the attic. **Radiant Shield™** is engineered with an aluminum layer that has the ability to stop up to 94% of radiant heat transfer.



- Decreases demand on AC equipment
- Increases comfort
- Lowers energy bills

### ROLL SIZES

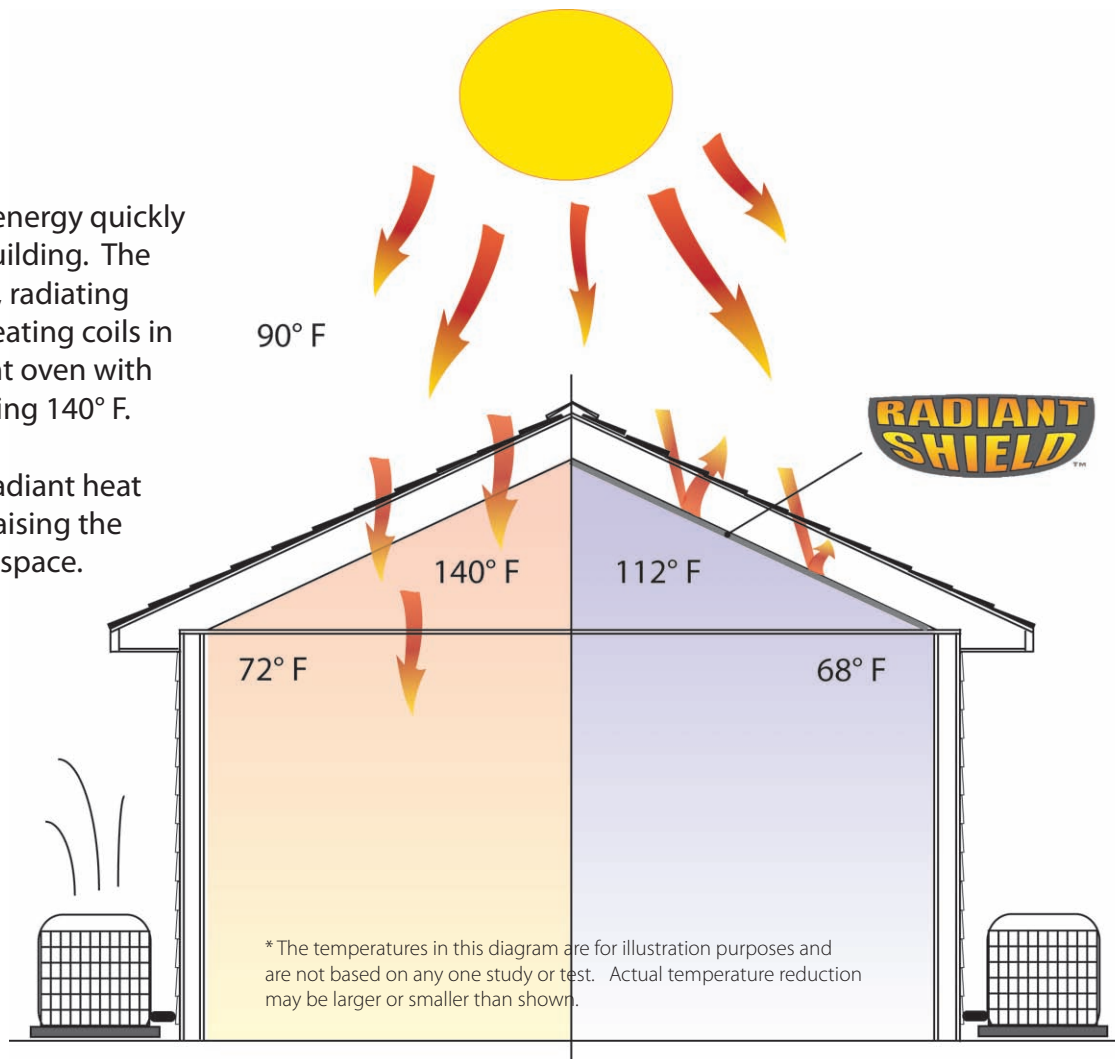
18" x 250' - Fits 16" OC spacing  
26" x 250' - Fits 24" OC spacing  
48" x 250'

### How it Works

In the summer, the sun's radiant energy quickly heats up the roof of a home or building. The roof then becomes a heat source, radiating heat in all directions much like heating coils in a stove. The attic becomes a giant oven with temperatures sometimes exceeding 140° F.

**Radiant Shield™** re-directs the radiant heat from the roof and keeps it from raising the temperature of the attic or living space.

Lower attic temperatures lead to less heat flowing down into the living space and floors below. The result is a more comfortable indoor environment, less demand on air conditioning equipment and lower monthly energy bills.





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## FREQUENTLY ASKED QUESTIONS

**Q : Will an attic radiant barrier decrease the life of my shingles?**

A : Installing a radiant barrier will increase shingle temperatures only slightly. Since shingles are manufactured with the ability to withstand very high temperatures, the temperature increase is not enough to affect the life or warranty of the shingles.

**Q : How much can I expect to save on my summer energy bills after I install Radiant Shield™?**

A : According to a document from the U.S. Department of Energy, installing a radiant barrier “would result in a 2 - 10% reduction in the cooling portion of summer utility bills. However, under some conditions, the percentage reduction of the cooling portion of summer utility bills may be larger, perhaps as large 17%” (DOE/CE-0335P). Savings will depend on several factors including the amount of insulation and ventilation already in the attic, the external temperature and the degree to which the roof is exposed to the sun.

**Q : Will Radiant Shield™ help with heat loss in the winter?**

A : **Radiant Shield™** does most of its work in the summer. While summer savings will be greater, homeowners may experience reductions in their winter heating bills depending on the application.

**Q : How is Radiant Shield™ different from other radiant barriers?**

A : **Radiant Shield™** is manufactured with cross-woven polyethylene creating superior tear resistance and durability. It also comes with a special coating that protects the aluminum layer and reduces glare during installation.

**Q : Where can I purchase Radiant Shield™?**

A : **Radiant Shield™** is typically sold through building materials dealers across the U.S. Bring this flyer to your local dealer or call us toll free at 1-866-698-6562 to find a distributor near you.

## TECH DATA & SPECS

Thickness .....	0.0004 in. (nominal)
Basis Weight (TAPPI-410) .....	97.8 g/m <sup>2</sup>
Tear Resistance (ASTM D 1117) .....	67.1 lbs. MD/91.2 lbs. CD
Breaking Strength (ASTM D 882) .....	27.2 lbs. MD/69.8lbs. CD
Temperature Resistance (FED SPEC HHB-1008) .....	(-)40° F to 220° F
Surface Burning Characteristics (ASTM E 84-03) .....	15 FSI/40 SDI (Class A)
Emissivity (ASTM C 1371) .....	0.06-0.07
Reflectivity.....	up to 94%

