

**Reduce Energy Costs  
SUMMER & WINTER**



**INNOVATIVE ENERGY, INC.**

*Your Single Source for Reflective Insulation Products*

# **R+HEATSHIELD**

**The radiant barrier that makes all insulation work better**

R+HEATSHIELD is made from a woven polyethylene material covered by a metalized film. This metalized film provides a reflective surface that blocks up to 94% of radiant heat, so it helps keep spaces cooler in summer and warmer in winter. R+HEATSHIELD can dramatically improve thermal performance and energy efficiency, keeping energy costs lower and interior spaces more comfortable.

- **Cuts energy consumption and costs**
- **Improves interior comfort**
- **Effective means of temperature control in a variety of applications**
- **Available in perforated or solid versions**
- **Solid version qualifies as an air and moisture barrier**
- **Superior tear and puncture resistance**
- **Can span eight feet unsupported**
- **Environmentally friendly and non-toxic**
- **Lightweight; easy and safe to install**



**www.insul.net**

**800-776-3645**



# Installation Guide

### Specifications:

ASTM E84-10  
Flame Spread 5  
Smoke Developed 20

ASTM E408  
Reflectivity 94%  
Emissivity 6%

Tear Strength  
MD 67.21 lbs  
CD 61.61 lbs

Thickness  
4.0 mil

Weight  
14 lbs./500 sq. ft.

### Innovative Energy Limited Warranty

Innovative Energy products are warranted against defects in materials and workmanship for 5 years, in approved building or O.E.M. applications when installed in accordance with Innovative Energy's written instructions.

Liability under this warranty is limited to replacement of the product found to be defective and does not cover merchantability, fitness for specific application or any labor costs. Contact Innovative Energy for proper handling of any suspected defective material.

For details on General Terms and Conditions of this warranty and warranty information for applications other than mentioned above, contact Innovative Energy.

### WARRANTY DISCLAIMERS AND LIMITATIONS ON BUILDING APPLICATIONS

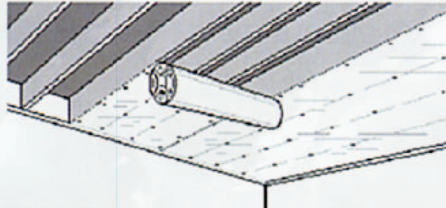
- Innovative Energy products should always be stored in a clean dry environment with the rolls left in the poly bags they came in.
- Although Innovative Energy products have UV and thermal blockers built in to the structures, the warranty does not cover installation in open or exposed applications such as lean-to's and open sided animal confinement buildings.
- Applications where chemicals and off gassing products are present may void the warranty.

Connect with us on:



## Residential Do-it-Yourself Applications

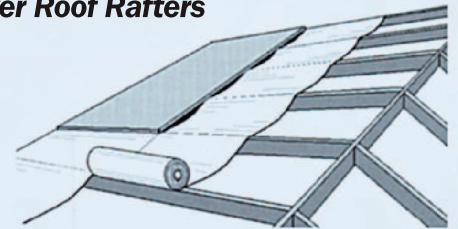
### Over Crawspaces or Unfinished Basements



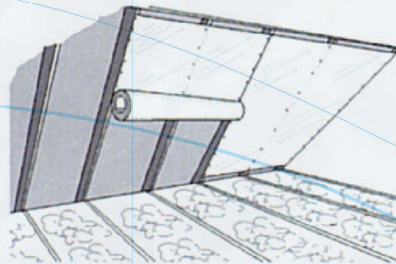
Staple solid R+HEATSHIELD along the bottom of the floor joists. Tape all joints to create a vapor barrier. In northern climates the winter temperature in the basement or crawlspace may drop considerably.

Lay R+HEATSHIELD over the roof allowing it to 'sag' several inches between each rafter. Staple as necessary to hold in place until roof sheathing is fastened down. The air space created by sagging will reduce downward heat intrusion. At the same time, the bottom side will reduce heat transfer with its low-emittance surface. The same effect occurs, but in reverse, in the winter months to reduce heat loss.

### Over Roof Rafters



### Staple Under Roof Rafters

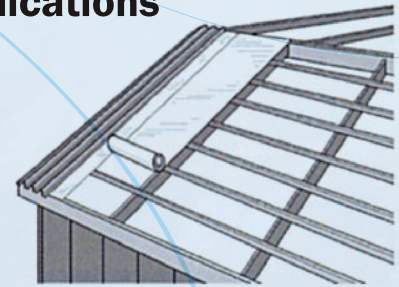


Staple solid R+HEATSHIELD from the ridge board down the eave or horizontally across the rafters, whichever is easier. If ridge venting is used, leave a 2" opening below the ridge board and above the floor joists as shown to prevent trapping heated air. Never block any venting with R+HEATSHIELD.

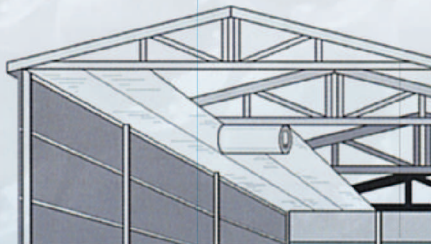
## Pre-Engineered and Post-Frame Applications

### Over Purlins & Girts

Staple or tape to ridge board of post-frame or steel buildings and pull down to the eave. The extra strength of R+HEATSHIELD easily withstands heavy use. Overlap R+HEATSHIELD 2" and fasten roof and side panels over it.



### Under Trusses



R+HEATSHIELD can span up to eight feet unsupported. Use heavy-duty staples every 8"-10", or tapping screws every 12"-16". The superior strength of R+HEATSHIELD will support 3" to 5" of fiberglass insulation laid on top, if desired. Space fasteners every 6" when supporting added insulation.



**IMPORTANT WARNING**  
NEVER INSTALL OVER OR NEAR DEFECTIVE OR EXPOSED ELECTRICAL WIRING.

