

# the REFLECT-R Advantage



## R-8 Reflective Insulation for HVAC Ductwrap

### **Better** Protection from external heat

REFLECT-R's pure aluminum facing reflects 97% of radiant heat gain.

### **Faster** Onsite installation

The rigidity of the 3/4" core, heavy duty reinforced facing and various tab options designed for every application will save you many man hours on the jobsite.

### **Safer** In-place fire protection

REFLECT-R's fiberglass core reduces the risk of fire spread as compared to many non-fiberglass core reflective insulations.

## REFLECT-R Duct Insulation Advantages "The R-8 Solution"

- R-8 when installed according to manufacturer installation instructions
- Greatly reduces noise & vibration
- Prevents condensation
- Environmentally friendly
- Meets code requirements as tested per ASTM E-84; Class A / Class 1 rating
- Maintains R-Value



*Insulation Doesn't Cost, It Pays.*

[www.therm-all.com](http://www.therm-all.com)

# REFLECT-R *Get the Facts...*

## Product Standards

**Widths:** 48", 72"

**Lengths:** 80'

**Thickness:** 3/4" standard, 1" optional

**Tabs:** 2-3" staple or 1-6" tab standard, optional 1-6" tab with double stick tape

**Foil Facing:** 99.9% pure aluminum (standard)

**Non-Foil Facing:** PSK-VR (optional - reduces R-value)

## R-Values

FGF - tested per ASTM C-518

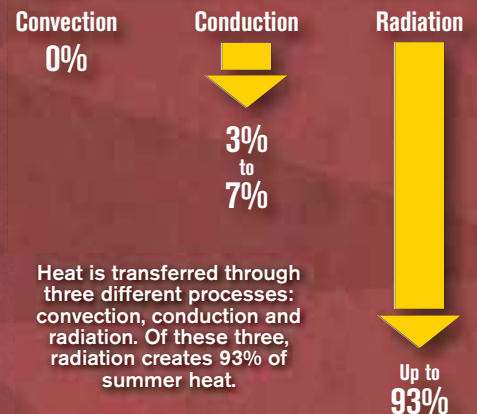
	FGF - tested per ASTM C-518	
	FTC "System R Value" Material + Air Space	"Installed R Value" Material + Air Space + Air Film
<b>3/4" Thick:</b>		
no air space	2.8	5.2
3/4" rigid spacers	5.5	8.0
1" rigid spacers	5.7	8.2
<b>1" Thick:</b>		
no air space	3.5	5.9
3/4" rigid spacers	6.2	8.6
1" rigid spacers	6.4	8.8

*To achieve installed R-values, Reflect-R must be installed per manufacturer installation instructions and air spaces must be maintained.*

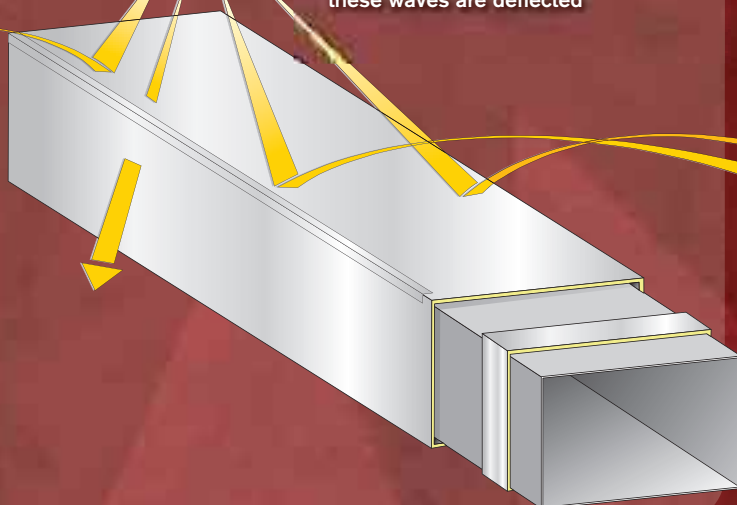
## REFLECT-R Technical Information

<b>R-Value</b>	3/4" Reflect-R up to 8.2 per ASTM C-518
<b>Flame Spread</b>	25 per ASTM E-84
<b>Smoke Development</b>	38 per ASTM E-84
<b>Emittance</b>	.04 per ASTM C-1371
<b>Moisture Sorption</b>	Less than 5% by weight
<b>Moisture Vapor Transmission</b>	.02 perms max
<b>Corrosivity</b>	Does not accelerate
<b>Odor</b>	None
<b>Shrinkage</b>	None
<b>Resistance to Fungi &amp; Bacteria</b>	Does not breed or promote

## Summer Heat Gain



- Infrared waves create radiant heat
- The waves travel at the speed of light, in straight lines
- With Reflect-R insulation, 97% of these waves are deflected



**THERM-ALL**  
*Insulation Doesn't Cost, It Pays.*

### PLANT LOCATIONS

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