



# RIGID-R-BOARD AND REFLECTIVE INSULATION

## THERMAL REFLECTIVE SELF-TAPING



HIGH PERFORMANCE EPS CORE INSULATION

## RIGID-R-BOARD 4' X 8' - 4' x 24' Max

Specifications:	
Surface Emissivity-ASTM E408 (foil)	0.03
Flame Spread Index-ASTM E84 (EPS foam)	25
Smoke Development-ASTM E84 (EPS foam)	300
Puncture Resistance (psi)-ASTM D 774	90
Tensile-lbs.-ASTM C1136	1.9 - 2.8
Water Vapor Transmission-ASTM E96 (grains/hr ft2 in Hg)	0.02
Fungus Resistance/Mold Growth C665/C1338	None
Useable Temperature	-40 to +170

Thickness	Net Price / Sq.Ft.		R - Value	Floor Screed (Colors - White/Black/Gray)			Net Ea.
	F/WHTF/S	F/F/S		V-110	3/4"x8'	□	
0.75"-1.00"	\$1.00	\$0.95	10	V-210	1-3/4"x8'	□	\$17.95
1.75"-2.00"	\$1.45	\$1.35	14	V-310	2-3/4"x8'	□	\$19.65
2.75"-3.00"	\$1.75	\$1.65	18	V-410	4"x8'	□	\$22.75
4.00"	\$2.05	\$1.95	22				\$26.50

Facings: F/WHTF/S - White Aluminum Foil w/Fiberglass Scrim / Reflective Foil  
F/F/S - Reflective Aluminum Foil Both Sides

## FLEX-R RADIANT BARRIER AND REFLECTIVE INSULATION

Dramatically  
reduces heat gain  
and heat loss!

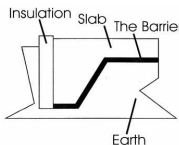
MICROFOIL (R-14) HEAT DOWNWARD			
Nom. Roll Size	Sq.Ft.	Specification	Net/Roll
1/4" x 16" x 125'	166	F/FS	\$310.00
1/4" x 24" x 125'	250	F/FS	\$310.00
1/4" x 48" x 125'	500	F/WHT/S	\$280.00
1/4" x 72" x 75'	450	F/WHT/S	\$260.00

Like a Styrofoam cup protects your hand from the hot beverage it holds, "The Barrier" protects concrete from heat loss and moisture. "The Barrier" under concrete insulation is a thermal block which insulates the concrete from the cold and dampness of the ground.

## FLEX-R VAPOR BARRIER



Flexible EPS Foam core with moisture barriers laminated to both sides to create a continuous thermal and moisture break used as under concrete insulation.



Description	Net Ea. Roll
3/8" - 4' X 60' (240 sq.ft.)	\$160.00
3/4" - 4' X 60' (240 sq.ft.)	\$205.00



Johnson Building Systems, Inc.  
975 Jaymor Rd  
Southampton, PA 18966-3854  
215-673-6050 or Fax: 215-322-2076  
www.JohnsonBuildingSystems.com

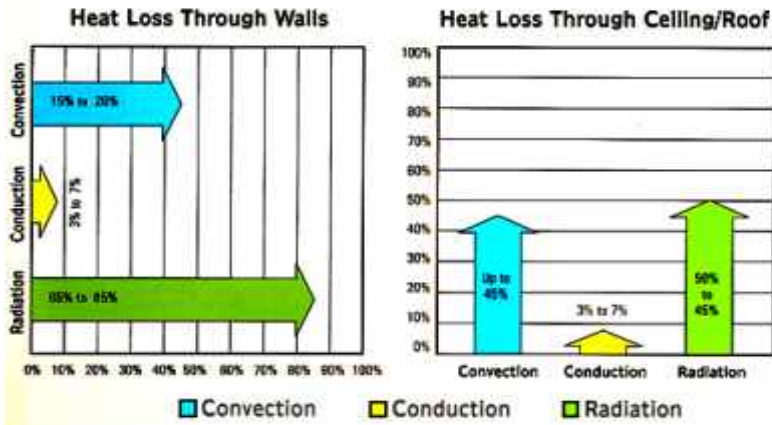
SUPPLY AND DESIGN  
SHIP ANYWHERE

1-800-445-7249

# AN UNDERSTANDING APPROACH TO HEAT LOSS/GAIN

Heat loss and energy savings are directly proportional to the "U" value, which is 1/R. Doubling your "R" value does not necessarily double your energy savings. The higher you go on the "R" value chart, the less efficient each point of the "R" value becomes. Increasing your "R" value from 2 up to 10 reduces heat loss by 80%. By Jumping the "R" value from 10 to 20, then decreases heat loss by another 10%. Therefore 90% of your savings is achieved with the first R-20. The chart below will assist you in selecting materials to give you the most economical range of "R" value.

In most cases, either 4" RIGID-R-BOARD, 5" EPS or 2-3/4" Urethane insulation in the roof and walls will provide R-22, an economical energy package with the 4" RIGID-R-BOARD being the more cost effective. The additional investment allocated could be considered for upgrading windows and other products rather than increasing the "R" value of the panels to a super high level of R-40 and R-50.



## Benefits of INSOLRAE Performance Insulation

- Controls Condensation
- Environmentally Safe
- Reduces Installation Cost
- Birds and Rodent Resistant
- Superior Flame/Smoke Rating
- Stops Heat
- Saves Energy
- Deadens Sound
- Easy Installation
- Lightweight Materials
- Cost Effective

