Radiant Barrier USA
Innovating Reflective Technology

Reflective Insulation Solutions

Highlights

- 5-layer bubble insulation structure
- Solid Poly White design for aesthetics
- Low Emittance foil surface (E=5%)
- Foil reflects 95% of radiant heat
- Unique recipe of LDPE plastics blend
- Stiffer than most bubbles in the market, making it easier to install
- Suitable for all building insulation applications
- Perfect for retrofits in home improvements
- Excellent insulation for metal buildings/carports
- Minimizes heat bridges in metal buildings
- Will not delaminate, improving durability and stability
- Suitable for hybrid installation with foam or fiberglass
- Useful for metal buildings when white facing is required
- Provides an impressive R-value when installed with airspace

P1

1
2
3

❶ White Poly/Woven ❷ Bubbles ❸ Low E Metalized Foil

Product Information

White Poly Woven / Bubbles / Low E Metalized Foil

One layer of 0.16" durable airbubblecore laminated between one layer of reflective metalizedfoilandone layer of white barrier polyethylene

POLYSHIELD R-VALUES*	P1
Crawl Space*	R-5.5
Metal Buildings**	R-1.8 to R-6.5 Up
	R-4.2 to R-17.1 Down
	R-2.2 to R-6.1 Wall
Post Frame Buildings**	R-1.8 to R-6.5 Up
	R-4.2 to R-17.1 Down
	R 2.2 to R-6.1 Wall
Radiant Floors**	R-4.2 to 17.1 Down
Wall - Basement Masonry**	R-2.2 to R-6.1 Wall

* At least a 1" air space is required on foil side to achieve the R-Values quoted.
** Depends on factors such as the building's interior, roof slope, direction of heat flow, and the size of attainable air gaps available when installing the products

What You Should Know About R-values

The chart demonstrates that various R-Values can be achieved in different applications with the product listed here. Besides reflecting 95% of radiant heat, when installed correctly, our reflective insulation also provides additional R-Value. R-Value measures resistance to heat flow, particularly through conduction and convection. The higher the R-Value, the greater the resistance. However, several crucial factors must be considered, including climate, the specific insulation, R-Value required for your climate zone, the balance between heat gain and heat loss, the costs of cooling versus heating, your overall energy expenditure patterns, and which areas of your home need insulation or upgrades. It's important to note that in many cases adding mass insulation, such as foam or wool, offers diminishing returns. While increasing R-Value doesn't necessarily translate to greater energy savings, it does lead to higher insulation expenses. Our reflective insulation products can complement existing insulation or be used independently. In both scenarios, our products block 95% of radiant heat. To achieve the R-Value shown in the table above, please adhere to the recommended air gaps. For optimal results, we recommend consulting with your local distributor or contacting our technical experts at 972-836-4829.

- White Poly/Woven
- Bubbles
- Low E Metalized Foil

Product Specifications : P1

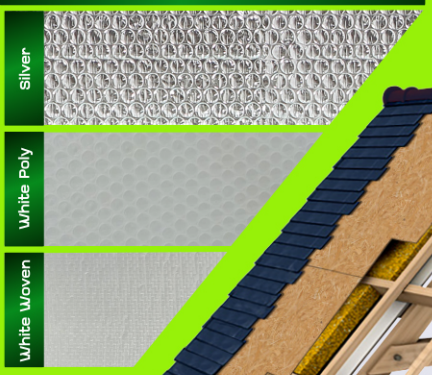
Standard Roll Size:	4'x125'
Effective Coverage:	500 ft2
Thickness (inches) +/-5%:	0.16" nominal
Standard roll weight(lbs/ft2)+/-5%:	31 Lb
Emittance (Metalized Foil Side):	E=5% (95% Reflective)
Water Vapor Transmission ASTM E-96:	.02 perms
Mold and Mildew:	No Growth
Flame Spread, Smoke Development, Fire Rating:	Class A / Class 1

Radiant Barrier USA
Innovating Reflective Technology

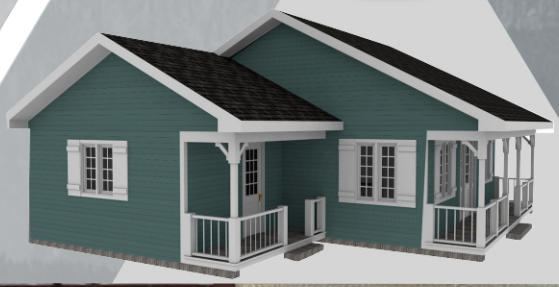
P1

SAVE WORLD TOGETHER | NO ASBESTOS | Reflectivity | Super strong | No health hazard | Vapor Barrier

Available finish :



First Only Number 1



BE ACTIVE!
USE REFLECTIVE INSULATION NOW

POLY SHIELD

972-836-4829 www.radiantbarrierusa.com