

Radiant GUARD[®]

REFLECTIVE INSULATION

RadiantGUARD.com

Reflex-AIR[®]



Reflex-AIR[®] is effective year round reflecting radiant heat back toward the heat source (sun) in warmer months and holding heat in during cooler months. This proven solution lowers energy costs and provides a more comfortable interior.

Reflex-AIR[®] products are available in seamless sizes of 48-inch, 50-inch, 72-inch, and 74-inch widths by 125 linear feet lengths with either single or double bubble layers. All product variations are available with either square or seam-tape edges to fit your unique installation needs. Custom sizes (width and length) are available subject to minimum production quantities.

BENEFITS



- Reflects 95% of radiant heat
- Class A / Class 1 fire and smoke ratings
- Puncture and tear resistant
- Coated to prevent oxidation and UV degradation
- Non-toxic, non-carcinogenic and fiber free
- Reduces interior condensation
- Manufactured with state of the art machinery
- Tested against ASTM standards
- Made in the USA
- 10-year warranty

APPLICATIONS

- Agricultural and livestock buildings
- Metal and steel buildings
- Post frame and pole barn construction
- Pre-engineered buildings
- Radiant floor heating systems
- Crawl spaces and concrete walls
- Cold storage
- Pharmaceuticals
- Packaging and transportation

Reflex-AIR® is manufactured in the USA using the highest quality raw materials, manufacturing machinery, and workmanship in the marketplace. This allows us to offer the industry leading warranty of 10 years for all our Reflex-AIR® products.

Reflex-AIR® products exterior layers are comprised of 99% pure aluminum or titanium white polyethylene film and are coated with proprietary inhibitors that prevent premature oxidation and degradation making them durable and long-lasting insulation products.

 Metalized Foil or White Film
  Polyethylene



	REFLECTIVE DOUBLE BUBBLE	WHITE DOUBLE BUBBLE	REFLECTIVE SINGLE BUBBLE	WHITE SINGLE BUBBLE
Reflectivity (ASTM E903)	95%			
Emissivity (ASTM C1371)	5%			
Nominal Thickness	1/4-inch nominal		1/8-inch nominal	
Average Tensile Strength	88.74 lb/in ²	64.92 lb/in ²	124.21 lb/in ²	86.85 lb/in ²
Average Tear Strength	10.27 lbs	9.81 lbs	5.37 lbs	6.46 lbs
UV Resistance / Non-Metalized Surface Degradation (ASTM G-154)	Not applicable	No loss in Tensile or Tear Strength (2000 hrs)	Not applicable	No loss in Tensile or Tear Strength (2000 hrs)
Bleeding & Delamination (ASTM C1338-14)	None under 5x Magnification			
Fungi Resistance (ASM C1138-14)	Passed; no growth			
Water Vapor Transmission (ASTM E96/E96M)	0.015 Perm	0.009 Perm	0.011 Perm	0.016 Perm
Elev Temp Humidity Resistance (ASTM C1258-08)	0.035 Perm	0.035 Perm	0.025 Perm	0.025 Perm
Flame Spread Index	0 (ASTM E84-16)			
Smoke Developed Index	10 (ASTM E84-16)		5 (ASTM E84-16)	
Fire Rating	Class A / Class 1			
Application Conditions	-60° F to 180° F			
Pliability	No cracking or delamination			
Typical Roll Diameter	23 inches	23 inches	17 inches	17 inches
Typical Roll Weight	4 ft roll: 28 lbs 6 ft roll: 40.5 lbs	4 ft roll: 27 lbs 6 ft roll: 40 bls	4 ft roll: 18 lbs 6 ft roll: 26.5 lbs	4 ft roll: 18.5 lbs 6 ft roll: 28 lbs

Available in widths of 48-inch, 50-inch, 72-inch and 74-in with square and seam tape edges.

