

With
RISING
Energy Costs,
NOW is the time
to **INSTALL**
RadiantGUARD®

RadiantGUARD® Attic and House Wraps

- ▶ *Block 95-97% of the radiant heat*
- ▶ *Lower attic temperatures up to 30°*
- ▶ *Reduce heat flow to living spaces up to 50%*
- ▶ *Lower monthly utility costs year-round*
- ▶ *NFPA Class A and UBC Class 1 fire rating approvals*
- ▶ *Qualifies for IRS Tax Credit*
- ▶ *ENERGY STAR® qualified*
- ▶ *RadiantGUARD® is a proud member of the BBB with an A+ rating*



Install RadiantGUARD® - the most cost effective way to lower your utility bills and participate in lowering the energy demand on the environment.

RadiantGUARD®
Protecting Your Energy Costs

For more information, please visit or call today
www.RadiantGUARD.com
toll free (866) 528-8412

RadiantGUARD®

Protecting Your Energy Costs

Studies have shown that up to 93% of ceiling heat gain in summer months occurs from radiant heat transfers from attics heated by radiant energy from the sun. Roof shingles and decking absorb radiant heat generated by the sun and transfer this heat into attic spaces heating up existing insulation. Once this existing insulation meets its saturation point, it then radiates this heat to all surfaces within the interior of the home (ceilings and walls).

RadiantGUARD® BLOCKs almost ALL of this radiant heat.

RadiantGUARD® double-sided reflective products are the leading products on the market used by home owners, new home builders, and agricultural and manufacturing enterprises. Our reflective products **block 95-97% of the radiant heat** that attempts to enter building structures in the summer months or escape in the winter months helping save utility costs year round.

In the summer months, RadiantGUARD® products can **reduce attic temperatures by up to 30 degrees** when installed to the underside of roof rafters. Lowering attic temperatures provides a significant benefit by reducing air conditional loads and energy usage. RadiantGUARD® can also:

- Reduce heat transfer from attic to living spaces by up to 50%,
- Extend the life of air conditioning units,
- Increase the comfort level of a home, and
- Reduces utility costs year-round
 - Keeps heat out during warmer months
 - Holds heat in during cooler months



RadiantGUARD® Technical Specifications

	Ultima-NB <i>For non-building applications</i>	Xtreme <i>For use as a building material</i>
	Double-sided reflective ALUMINUM with polyethylene woven reinforcement	Double-sided reflective METALIZED film with polyethylene woven reinforcement
C1313 Spec Status	Specs based on PREVIOUS C1313	Specs based on CURRENT C1313
Thickness	5 mils (0.005 of an inch)	6 mils (0.006 of an inch)
Weight	28 lbs per 1,000 sf	29 lbs per 1,000 sf
Tensile/Tear Strength	Machine direction: 80.4 lb/in width Cross direction: 65.4 lb/in width (ASTM D882)	Length: 13.23 pounds force Width: 13.98 pounds force (ASTM D2261)
Pliability	70°F±5°F & 50±5% Relative Humidity – No Cracking or Delamination (ASTM C1313-00)	70°F±5°F & 50±5% Relative Humidity – No Cracking or Delamination (ASTM C1313-05)
Adhesive Performance	180°F±5°F & 50% Relative Humidity – No Bleeding or Delamination (ASTM C1313-00)	180°F±5°F & 50% Relative Humidity – No Bleeding or Delamination (ASTM C1313-05)
Corrosivity	100% humidity at 71±2°C for 7 days PASS (ASTM D3310-00)	100% humidity at 71±2°C for 7 days PASS (ASTM D3310-00)
Resistance to Fungi	PASS – No Growth (ASTM C1338-00)	PASS – No Growth (ASTM C1338-08)
Flame Spread Smoke Development Fire Rating	OLD Flame Spread Test: 10 OLD Smoke Development Test: 10 OLD Fire Rating: Class A / Class 1 (ASTM E84-84)	N/A
	CURRENT Flame Spread Test: 200+ CURRENT Smoke Development: 200+ CURRENT Fire Rating: Class C / Class 3 (ASTM E84-10 with ASTM E2599)	CURRENT Flame Spread Test: 0 CURRENT Smoke Development: 5 CURRENT Fire Rating: Class A / Class 1 (ASTM E84-10 with ASTM E2599)
Permeance	Perforated version: 8.5 perms Solid vapor barrier version: (.02 perms) (ASTM 96-00)	Perforated version: 6.3 perms Solid vapor barrier version: (.02 perms) (ASTM 96-05)
Thermal Properties	Reflectivity: 97% Emissivity: 3% (ASTM C1371-98)	Reflectivity: 95% Emissivity: 5% (ASTM C1371-04a)

RadiantGUARD® meets the California Insulation Standards and **ASTM C1313**.



Made In The USA.