

Technical Data Sheet

Alpha Radiant Barrier

Alpha Reflective Radiant Barrier is a double-sided aluminum film with a woven polyethylene core. The polyethylene center acts as a thermal-break eliminating condensation from passing, while the reflective exterior shields the living space from radiant heat.

Alpha Radiant Barrier comes in both 500' and 3000' Ln/Ft rolls and can be trimmed to specific widths per customer specifications. Custom length rolls are available upon request.


Stock sizes available are:

- 48" x 500'
- 72" x 500'
- 96" x 500'
- 102" x 500'
- 48" x 3000'
- 72" x 3000'
- 96" x 3000'
- 102" x 3000'

Alpha Radiant Barrier can be used for a variety of applications where reflectivity is required. Specific to the RV industry, Radiant Barrier is primarily used in the roof, floor, sidewalls and front/end caps. With the superior reflective properties of Alpha Radiant Barrier, there can be significant energy cost savings.

Property	Typical Value	Unit Of Measure	Test Method
Basic Weight	28	lbs/MSF	TAPPI - 410
Caliper	.006	Inches	TAPPI - 411
WVTR	35	g/m ² /24 hours	ASTM E-96
Mullen	90	Psi	TAPPI - 807
Reflectivity	0.96	Σ	ASTM C1371-04a
Emissivity	0.04	Σ	ASTM C1371-04a

Alpha Radiant Barrier Comparison Sheet

	Single-Sided Metalized Mylar	Double-Sided Metalized Mylar	Double-Sided Metalized Mylar Bubble Pack	Radiant Technology Pure Aluminum Foil	
Incorporates Thermal Break			◆	◆	◆
Reflects High Temperature Heat				◆	◆
Reflects on Both Sides		◆	◆	◆	◆
3,000 Lineal Foot Rolls					◆
Available in Multiple Sizes			◆	◆	◆
Breathability		◆		◆	◆
No upcharge for 8.5' (102") rolls					◆
Trained Factory Workers				◆	◆
Trained Salesmen				◆	◆
Custom Sizes Available					◆
Will Not Become Brittle During Thermal Cycling				◆	◆
Does Not Shrink				◆	◆
Full 8' rolls <i>NOT</i> seamed with clear tape					◆
Can be used with Mass Insulation		◆		◆	◆
Caliper .006"					◆