

RADIANT SHIELD™

FLEXIBLE RADIANT BARRIER & VAPOR RETARDER

Post Frame, Steel Frame & Metal-Clad Buildings

Radiant Shield™ is a cross-woven polyethylene material designed for use as a radiant barrier and vapor retarder in residential, commercial and agricultural buildings. Traditional mass insulation works by slowing down conductive and convective heat transfer, but does little to stop radiation—a major contributor to summer heat gain and winter heat loss in buildings. **Radiant Shield™** is engineered with an aluminum layer that has the ability to stop up to 94% of radiant heat transfer. In addition, its vapor retarding properties help reduce condensation that can lead to corrosion and deterioration of metal siding and roofing materials.

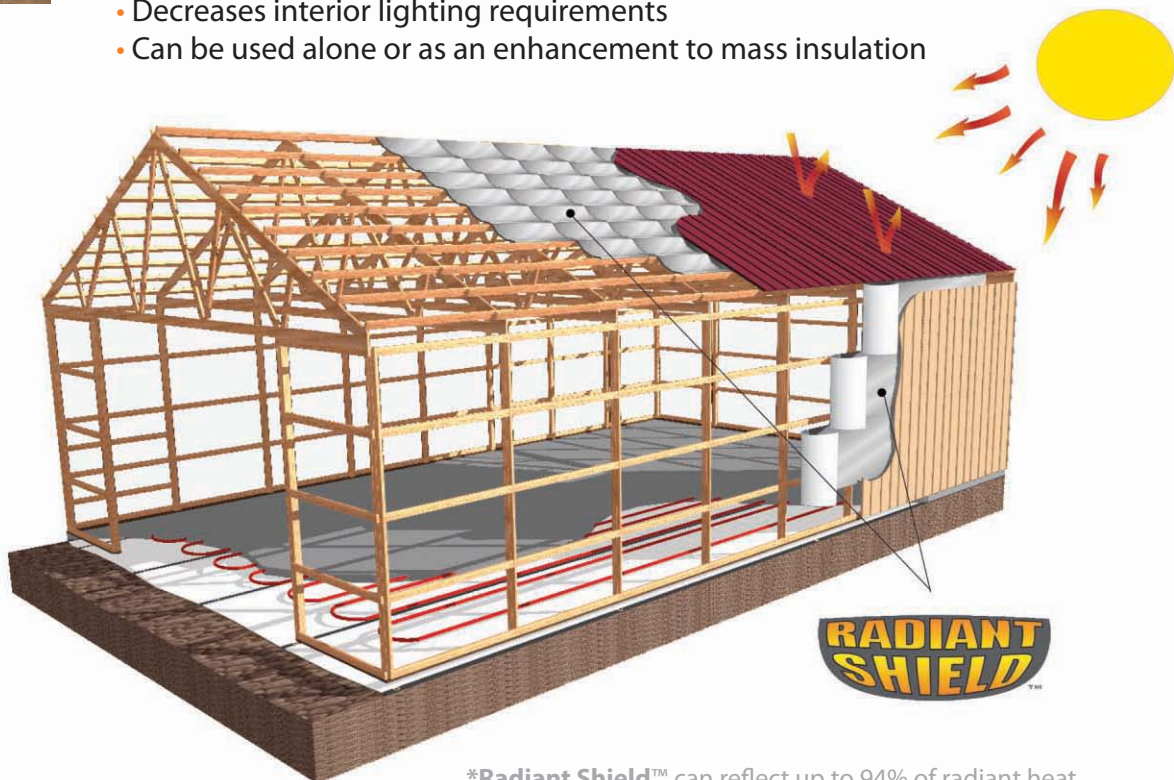


Features & Benefits

- Flexible & lightweight
- Durable & tear resistant
- Class A fire rating
- Reduces summer heat gain and winter heat loss
- Helps control condensation
- Repels moisture
- Decreases interior lighting requirements
- Can be used alone or as an enhancement to mass insulation

ROLL SIZES

- 18" x 250'
- 26" x 250'
- 48" x 250'
- 48" x 10,000'



***Radiant Shield™** can reflect up to 94% of radiant heat when facing an air space. To receive the full benefits of a radiant barrier, foil surface should be installed facing a minimum 3/4" air space.



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TECH DATA & SPECS

Thickness	0.0004 in. (nominal)
Basis Weight (TAPPI-410)	97.8 g/m ²
Tear Resistance (ASTM D 1117)	67.1 lbs. MD/91.2 lbs. CD
Breaking Strength (ASTM D 882)	27.2 lbs. MD/69.8lbs. CD
Temperature Resistance (FED SPEC HHB-1008)	(-)40° F to 220° F
Surface Burning Characteristics (ASTM E 84-03)	15 FSI/40 SDI (Class A)
Emissivity (ASTM C 1371)	0.06-0.07
Reflectivity.....	up to 94%



Product Composition

White high-density woven polyethylene with aluminum laminated on one side

Applications

- Post-frame construction
- Steel-frame construction
- Roofs
- Gables
- Sidewalls

