

SOLAR GUARD[®]

REFLECTIVE INSULATION

SolarGuard[®] Reflective Insulation greatly increases comfort in residential and commercial applications by reducing radiant heat gain. The barriers consist of a highly reflective material that reflects radiant heat rather than absorbing it. SolarGuard is effective used alone or in conjunction with fiberglass batts for optimal thermal performance.

Blocks all three modes of heat loss/gain!

Provides total thermal protection. Radiant energy causes up to 93% of heat transfer. Only one insulation blocks radiant energy plus heat conduction and convection: SolarGuard Reflective Insulation.

For total thermal protection on every job use SolarGuard Reflective Insulation alone or with fiberglass.

- Behind fiberglass batts in walls
- Under roof trusses or roof deck
- Below radiant floors
- In crawl spaces
- On basement walls
- Behind recessed lights
- Overhead doors
- Outer sheds
- Metal buildings
- Post frame building

Available sizes

SolarGuard White/Foil & RFSK/Foil:

- 48" x 102' • 48" x 125'
- 72" x 102' • 72" x 125'

SolarGuard Foil/Foil:

- 16" x 50' • 24" x 50'
- 48" x 50'



RESIDENTIAL

Foil/Foil

Increases home comfort in between conditioned and unconditioned spaces.



COMMERCIAL

White/Foil

May be used as a condensation blanket in well ventilated buildings.



AGRICULTURAL

RFSK/Foil

Helps reduce heat gain.

How is SolarGuard made?

SolarGuard Reflective Insulation is made of a ¼” encapsulated fiberglass core that is bonded to two exterior layers. The first layer is perforated 99% pure aluminum and the second layer can be either:

- Aluminum
- Reinforced aluminum scrim kraft
- White scrim-reinforced facing

We perforate SolarGuard laminated material for one purpose, permeance. The foil/foil product is used primarily in retrofit or new residential construction where there may be an existing vapor retarder. SolarGuard’s perforated material eliminates a double vapor barrier when installed behind existing insulation.



Testing

Fire Properties: All SolarGuard E84 test (for surface burning characteristics of building materials) results reported herein were achieved with the material, by its own structural quality (or the manner in which it is tested and intended for use) was capable of supporting itself in position during the test period.

SolarGuard Residential - Foil/Foil*

Physical Properties	Test Method	Values
Water Vapor Transmission (perm).....	E96.....	1.35
Emittance.....	ASTMC 1371-04.....	0.044
Fungi Growth.....	ASTMC 1338-14.....	No Growth
Flame Spread.....	E84.....	15
Smoke Developed.....	E84.....	5
Corner Burn Test.....	NFPA 286.....	Pass
Pliability.....	ASTMC 1224.....	Pass
Delamination.....	ASTMC 1224.....	Pass
Temperature/Humidity Resistance.....	ASTMC 1258.....	Pass

SolarGuard Commercial - White/Foil

Physical Properties	Test Method	Values
Water Vapor Transmission (perm).....	E96.....	
Fungi Growth.....	ASTMC 1338-14.....	No Growth
Flame Spread.....	E84.....	25
Smoke Developed.....	E84.....	40
Pliability.....	ASTMC 1224.....	Pass
Delamination.....	ASTMC 1224.....	Pass
Temperature/Humidity Resistance.....	ASTMC 1258.....	Pass

* Classification results on SolarGuard show that it meets the requirements for ASTM C1224 for the tests performed.

Please contact us for more information (844) 232-3701 or info@silvercote.com.