solar eclipse

HIGH DENSITY REFLECTIVE INSULATION



COMMERCIAL REFLECTIVE INSULATION

WHY SOLARECLIPSE

SolarEclipse is a patent pending reflective insulation that delivers the highest R Value available from a reflective insulation on the market today using the latest ASTM testing.

First generation reflective insulations utilized packaging materials such as bubble or foams to create the core. These products worked well but had limitations relating to where they could be used due to safety concerns relating to fire issues. These products are mostly vapour barriers so use in areas such as attics and kneewalls is not recommended as moisture problems could be created.

Second generation reflective insulations use textile or fiber type materials as the core, while more efficient and safer, these products use glues to adhere the core to the facers which can delaminate over time.

SolarEclipse is the next generation of reflective insulation. SolarEclipse utilizes a patent pending heat sealing technology which creates a one piece material which delivers not only higher R Values but a stronger product which creates a more board like appearance not found in most rolled insulation products.

FEATURES AND BENEFITS

Board Like Appearance

Highest R Values Available

Stronger One Piece Bond

Smaller Rolls

Class A / Class 1 Fire Rating

Wrinkle Free

AGRICULTURAL BUILDINGS

SolarEclipse was designed with agricultural buildings in mind. SolarEclipse is lightweight for easy installation and is rodent and bird resistant. Because SolarEclipse addresses radiant heat loss and gains in buildings, it can help increase productivity and reduce mortality. SolarEclipse is available in either Foil Faced or White Faced to enhance your building's interior.



COMMERCIAL BUILDINGS

SolarEclipse can help improve productivity, comfort and lower energy costs for your commercial buildings by addressing all three modes of heat transfer: radiation, conduction and convection.



Protect your investment. Insist on SolarEclipse for your next metal building!

ESHIELD ATTIC/KNEEWALL

A very common problem in todays homes is heat loss and gain through attics and walls adjacent to attics. The reason for this is most attics are ventilated areas with no insulation at the roof line which can cause these area to be extremely hot in the summer months or extremely cold in the winter months causing living areas in direct contact to the attic to be unlivable or uncomfortable. The use of eShield on the bottom of the rafters can reduce the attic temperatures up to 40°F in the summer months and in the winter months helps eliminate ice damning. Using eShield on knee walls will eliminate the "Hot Wall or Cold Wall " effect.





THERM

SolarEclipse FOIL/FOIL

Physical Properties	Value
Flame Spread	20
Smoke Developed	10
Full Scale Corner Room	PASS

Thermal Performance

Heat Flow Down	R
Heat Flow Up	R
Heat Flow Horizontal	R

ASTM C1363/C1224

12.82

9.24

10.60

SolarEclipse WHITE/FOIL

Physical Properties	Values	Test Method
Flame Spread	20	ASTM E 84-10a
Smoke Developed	10	ASTM E 84-10a
Full Scale Corner Room	PASS	UL 1715/UBC 26-3
Thermal Performance	е	ASTM C1363/C12

Heat Flow Down R 10.70 R 8.56 Heat Flow Up Heat Flow Horizontal R 9.45

ASTM E 84-10a	
ASTM E 84-10a	
UL 1715/UBC 26-3	3

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