

Therma-Sheet™ Insulation

Metal & Concrete or Clay Tile Roofing Energy Upgrade



BENEFITS OF THERMA-SHEET INSULATION:

- Lowers Attic Temperature
- Increases energy savings
- Non-toxic, no fiberglass – no itching
- Excellent vapor barrier
- Installs easily with razor knife and foil tape
- Superior thermal performance
- Flexible and durable
- Improves insulation system performance
- Great for new roofing or re-roofing



Therma Sheet Roofing Underlayment is manufactured by Environmentally Safe Products, Inc. It is a 99% pure aluminum facing heat laminated to a foam core. To be used in conjunction with traditional felt paper Therma Sheet provides thermal protection under metal roofing, stone coated steel and clay tile. The product is very lightweight and easy to install. With using metal roofing and clay tile these products will last a very long time and it's quite possible that your roofing material will outlive your underlayment. Therma Sheet provides you with an extra layer of comfort and confidence. By using Therma Sheet under your roofing system you can help cut your summer heat gain and when used in conjunction with proper attic ventilation it can also help to control ice damming.

Therma-Sheet Insulation

PRODUCT CODES: 4LMLX

PRODUCT DIMENSIONS & DESCRIPTIONS: Double sided scrimmed aluminum foil laminated to polyethylene foam (1/8" nominal thickness)

WIDTH: 4'

LENGTH: 125' (standard with 4" overlapping flange)

R-VALUE*: R-9 downward heat flow only (With 1.5" airspace)

CORE MATERIAL: Polyethylene

FACING: 99.4% Polished Aluminum

PERM RATING: ASTM E-96 0.008

FLAME AND SMOKE: ASTM E-84 Flame spread <25 Smoke developed <50

EMITTANCE: ASTM C-1371 0.03

Specific R-values for specific applications can be obtained from Install Guide at www.low-e.com or by contacting ESP, Inc. at 1-800-289-5693.

CAUTION: Aluminum is an Electrical Conductor. Please use caution when working around electrical sources including overhead power lines. Carefully inspect electrical junction boxes and check for frayed wires before beginning installation.

WARNING: Although ESP LOW-E® Insulation Products are all fire tested to ASTM and/or NFPA standards; it is recommended that they or any insulation material should not be exposed to open flame or other ignition sources of sufficient intensity during shipment, storage or installation.



Therma-Sheet™ Insulation

Roofing Energy Upgrade for Under Shingles



Therma Sheet Insulation may be installed directly under shingles. First install a standard approved underlayment as per the manufacturers directions. Next install Therma Sheet insulation as shown in the pictures below using the overlap flange as a rain drip edge. Shingles are then installed as per the manufacturers instructions.



Green building is not just a trend, but the wave of the future as more and more homeowners and builders demand energy efficient homes and products. ESP Low-E® Insulation products are designed for maximum energy and cost efficiency. Whether it's under slab, under roof, around duct work or wrapping the entire house, ESP LOW-E® Reflective Insulation products save more money on heating and cooling than regular insulation and Housewrap. Check out all the ways ESP LOW-E® Insulation can help reduce your energy consumption around the home.

Therma-Sheet Insulation

PRODUCT CODES: 4LMLX, 4LFLX

PRODUCT DIMENSIONS & DESCRIPTIONS: Double sided scrimmed aluminum foil laminated to polyethylene foam

PRODUCT THICKNESS: 1/8" (nominal thickness), 1/4" (nominal thickness)

WIDTH: 4'

LENGTH: 125' (standard with 4" overlapping flange)

R-VALUE*: 1/8" = .5, 1/4" = 1.3

CORE MATERIAL: Polyethylene

FACING: 99.4% Polished Aluminum

PERM RATING: ASTM E-96 0.008

FLAME AND SMOKE: ASTM E-84 Flame spread <25 Smoke developed <50

EMITTANCE: ASTM C-1371 0.03

*R-value for core material only

Specific R-values for specific applications can be obtained from Install Guide at www.low-e.com or by contacting ESP, Inc. at 1-800-289-5693

ESP, Inc strives to provide the most accurate R-value data possible. The R-values set forth in this document are the reflection of a combination of industry standard testing and conscientious calculation. However, these numbers, even within specific applications, can fluctuate due to the multiple variables that influence R-value.

CAUTION: Aluminum is an Electrical Conductor. Please use caution when working around electrical sources including overhead power lines. Carefully inspect electrical junction boxes and check for frayed wires before beginning installation.

WARNING: Although ESP LOW-E® Insulation Products are all fire tested to ASTM and/or NFPA standards; it is recommended that they or any insulation material should not be exposed to open flame or other ignition sources of sufficient intensity during shipment, storage or installation.



Scan code to see
Install Guide

ESP LOW-E® Insulation • ESP LOW-E® Housewrap • ESP LOW-E® SlabShield

For more information and a free sample of LOW-E material, or for the dealer nearest you visit www.low-e.com or call

ESP CORPORATE
800-289-5693

LOW-E UK
0151-494-9994

LOW-E GULF SOUTH
800-809-2734

LOW-E MIDWEST
800-769-8818

LOW-E NORTHEAST
800-560-5693

LOW-E SOUTHWEST
877-565-5693