

The housewrap upgrade that pays for itself.



In a space thinner than a pancake, you can dramatically improve a home's energy efficiency. Using the same reflective technology that protects NASA astronauts from the sun's searing heat, ESP Low-E[®] Insulating Housewrap blocks 97% of radiant heat transfer through the walls.

Siding Replacement

Energy efficiency and lowering heating and cooling costs are top priorities for American homeowners. Home improvement contractors can meet those demands with ESP Low-E[®] Housewrap. With ESP Low-E[®], an ordinary residing job whether wood, vinyl, steel or fiber cement - becomes an energy-saving improvement that qualifies for Energy Tax Credits.

New construction

You can meet tough standards for more energy-efficient construction without dramatically increasing your cost. Use conventional two-by-four framing and insulation but upgrade to ESP Low-E[®] Insulating Housewrap for performance comparable to expensive six-inch wall systems.

High purity aluminum outer shell
Patented heat-welded construction
Polyethylene closed-cell foam core
Engineered to release water vapor



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HouseWrap
Install Guide



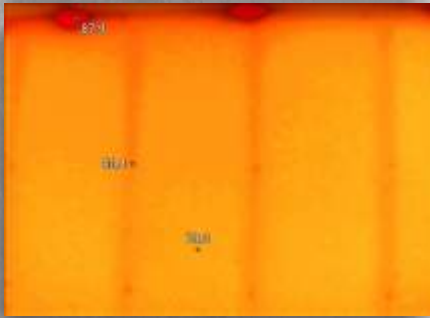
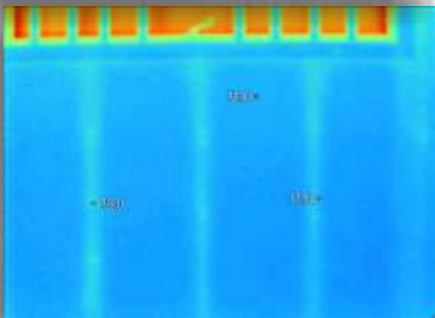
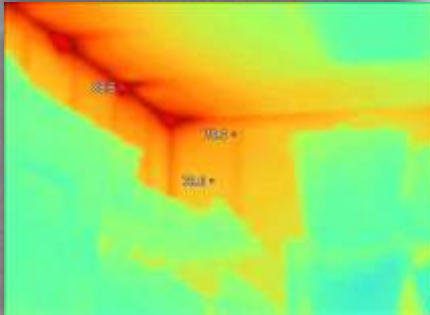
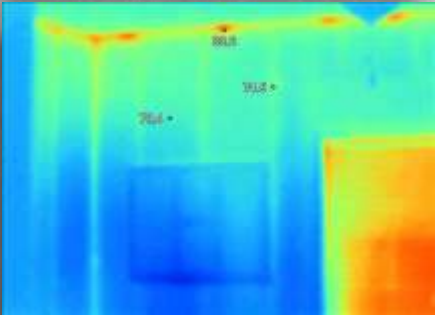
House protected by ESP Low-E® Reflective Insulation Housewrap



House with conventional housewrap



Two Illinois homes built only 25 yards apart are virtually identical, with one key difference. One was built with ESP Low-E® Reflective Insulation Housewrap, the other with traditional house wrap.



On an 85° summer day, the interior walls of both homes were photographed from inside with a heat-measuring infrared camera. The photos on the left show walls covered with ESP Low-E® House Wrap. The photos on the right show walls with traditional house wrap.

The walls protected by ESP Low-E® HouseWrap all but stopped radiant heat transfer. The walls with traditional house wrap showed dramatic heat gain, absorbing heat and re-radiating it through the fiberglass insulation.

After 12 months, the homeowners compared energy bills. The ESP Low-E® homeowner had saved more than \$250 compared to his neighbor.

PRODUCT CODES: 4PFNS, 5PFNS, 6PFNS
 PRODUCT DIMENSIONS & DESCRIPTION:
 Single-sided scrimmed aluminum foil laminated to polyethylene foam perforated (1/4" nominal thickness)
 WIDTH: 4', 5', or 6' with overlapping flange
 LENGTH: 125', 100', 84'
 Core Resistance: R-VALUE R-1.03
 System R-Value: R-4*
 PERM RATING: ASTM E-96 7 or 40 grams/(day-m²)
 WATER RESISTANCE: ASTM D779 – 9hrs
 FULL SCALE FIRE TEST(walls only): NFPA-286 Passed
 *Horizontal heat flow: vinyl siding with 0.375 inch reflective air-space, ESP LOW-E® HouseWrap attached to nominal 1/2 inch wood sheathing.
 Report from Geo Science available upon request.
 Specific R-Values for specific applications can be obtained from Install Guide at www.low-e.com or by contacting ESP, Inc.

ESP Low-E® Reflective Insulation Housewrap combines the benefits of a weather-resistant barrier with increased thermal performance. It's light, safe and easy to cut with a utility knife. It can be fastened with cap nails/staples and stands up to rough handling.

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.
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.