

# 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, Low-E<sup>®</sup> Insulating Housewrap blocks 97% of radiant heat transfer through the walls — saving enough energy to pay for the upgrade in 3 years or less.

## Siding Replacement

Energy efficiency and lowering heating and cooling costs are top priorities for American homeowners. Home improvement contractors can meet that demand with Low-E<sup>®</sup> Housewrap. With Low-E<sup>®</sup>, an ordinary residing job whether wood, vinyl, steel or fiber cement - becomes an energy-saving improvement that qualifies for up to \$1500 in Federal 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 Low-E<sup>®</sup> 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



**LOW-E HOUSEWRAP**  
Reduces your carbon footprint.

Environmentally Safe Products, Inc. 313 W. Golden Lane, New Oxford, PA 17350  
Toll Free: 1-800-289-5693 Fax: 717-624-7089 www.low-e.com E-mail: sales@lovv-e.com



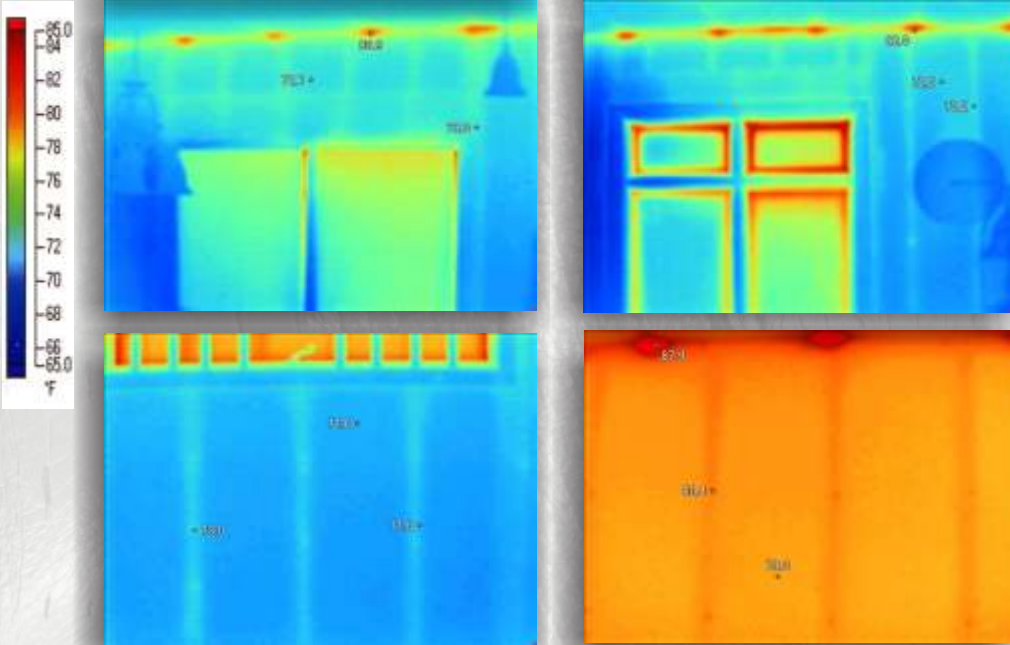
**House protected by ESP Low-E® Reflective Insulation Housewrap**



**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 north-facing interior walls of both homes were photographed from inside with a heat-measuring infrared camera. The images showed that very little summer heat penetrated either of the properly-insulated walls.

The walls on the south side, where the sun shone directly on the house walls, told a different story. The wall protected by ESP Low-E® all but stopped radiant heat transfer. The wall with traditional house wrap showed dramatic heat gain, absorbing heat and 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. For most homeowners, the additional cost of upgrading to ESP Low-E® is matched by energy savings within three years - even faster if energy costs continue to rise.*

PRODUCT CODES: 4PFNS, 5PFNS, 6PFNS  
 PRODUCT DIMENSIONS & DESCRIPTION:\*\*  
 Single-sided aluminum foil with scrim product laminated to 1/4" (nom. thickness) polyethylene foam  
 WIDTH: 48", 60", or 72" with overlapping flange  
 LENGTH: 125', 100', 84'  
 R-VALUE: R-4\*  
 PERM RATING ASTM E-96: 7 or 40 grams/(day-m<sup>2</sup>)  
 WATER RESISTANCE: ASTM D779 - 9hrs  
 FLAME AND SMOKE: ASTM E-84  
 FLAME < 25 SMOKE DEVELOPED < 50  
 \*Horizontal heat flow behind vinyl siding with 0.375 inch airspace  
 \*\*for actual dimensions of this roll see attached label with manufacturer's lot number

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 staples like an ordinary house wrap and stands up to rough handling.

**WARNING:** Although ESP LOW-E® Insulation Products are all fire tested to ASTM 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.