

**LOW-E**   
**HOUSE WRAP**  
THERMAL WEATHER RESISTANT BARRIER



# Low-E Housewrap

**PLEASE SEE REVERSE SIDE FOR  
INSTALLATION INSTRUCTIONS.**

**CONSULTE EL REVERSO PARA  
OBTENER INSTRUCCIONES DE  
INSTALACIÓN.**

PRODUCT CODES: 4PFNS, 5PFNS

PRODUCT DIMENSIONS & DESCRIPTION: Single sided scrimmed aluminum foil laminated to polyethylene foam, perforated (1/4" nominal thickness)

WIDTH: 4', 5' (with a 2" overlapping flange)

LENGTH: 125', 100'

R-VALUE (Core Resistance): R-1.03

R-VALUE (Product & Reflective Airspace Only): R-3

SYSTEM R-VALUE\*: R-4

PERM RATING: ASTM E96 7 or 40 grams/(day-m<sup>2</sup>)

WATER RESISTANCE: ASTM D779 9 hrs

\* Horizontal heat flow: vinyl siding with 0.375" reflective airspace & Low-E Housewrap attached to nominal thickness 1/2" wood sheathing.

**NOTE:** Do not allow product to become damp or wet while rolled in sealed bag. Do not set product directly on wet or uncured concrete.

**WARNING:** Although Low-E Insulation products are all fire tested to ASTM and/or NFPA standards it is recommended that they, or any other 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.

**NOTE: LOW-E HOUSEWRAP IS DESIGNED FOR USE OVER EXTERIOR SIDEWALL SHEATHING ONLY.**

Low-E Insulation products are covered under a limited warranty. For details on our warranty or any other information please call 1-800-BUY-LOWE (800-289-5693)



ICC-ES Evaluation Report

ESR-3079 U.S. Patent No.

9,040,143

Most Widely Accepted and Trusted



## **Low-E Housewrap Installation Instructions**

ESP Low-E Housewrap is installed over exterior wall sheathing prior to or after the installation of windows and/or doors. If windows and doors have been installed, the Low-E Housewrap must be trimmed as close to the windows and door openings as possible and sealed with Low-E seam tape.

Low-E Housewrap rolls should be placed approximately 6" (152 mm) from the start of a corner and fastened to the sheathing with corrosion-resistant nails having minimum 1" (25.4mm) diameter plastic heads or corrosion-resistant staples having minimum 1" (25.4 mm) crowns. Fasteners must be placed a maximum of 16" (406 mm) on center both vertically and horizontally.

Low-E Housewrap must be installed with the foil facing out (visible to the exterior). There are 2.5" (63 mm) foil flanges for horizontal seams on one end of each roll of Low-E Housewrap. Upper courses are to overlap lower courses in a shingle like manner. For vertical seams, butt foam edges of two rolls and tape the seam. ALL vertical and horizontal flange seams should be taped with Low-E seam tape. Any areas of Low-E Housewrap that have been slightly damaged or compromised during installation can also be patched with Low-E seam tape. Please refer to window and door manufacturer suggested installation tips for installing Low-E Housewrap over framed openings.

When Low-E Housewrap is used over foam sheathing, it must be attached with roofing nails or approved fasteners whose length exceeds the foam thickness by a minimum of 1/2 inch (12.7 mm). When used over wood-based sheathing in an exterior stucco application, the Low-E Housewrap must be applied in conjunction with one layer of Grade D water-resistive barrier with a 60 minute water resistive rating, applied over sheathing in accordance with 2012, 2009 and 2006 IBC Section 2510.6 or 2018 and 2015 IRC Section R703.7.3 (2012, 2009 and 2006 IRC Section R703.6.3) or it may be installed in one layer where it is separated from the stucco by an intervening, substantially nonwater-absorbing layer or designed drainage space.

**FOR ANY ADDITIONAL PRODUCT OR INSTALLATION QUESTIONS REGARDING LOW-E HOUSEWRAP,  
PLEASE CALL 800-BUY-LOWE. (800-289-5693)**

## **Instrucciones de instalación de Low-E Housewrap**

El Low-E Housewrap de ESP se instala sobre el revestimiento de pared exterior antes o después de la instalación de ventanas y/o puertas. Si las ventanas y puertas ya están instaladas, el Low-E Housewrap debe recortarse lo más cerca posible de las aberturas de las ventanas y puertas y sellarse con cinta adhesiva de unión Low-E. Los rollos de Low-E Housewrap deben colocarse aproximadamente a 6 pulgadas (152 mm) desde el inicio de una esquina y fijarse al revestimiento con clavos resistentes a la corrosión que tengan cabezas de plástico de un diámetro mínimo de 1 pulgada (25,4 mm) o grapas resistentes a la corrosión que tengan coronas de un mínimo de 1 pulgada (25,4 mm). Los sujetadores deben colocarse como máximo a 16 pulgadas (406 mm) de distancia tanto vertical como horizontalmente. El Low-E Housewrap debe instalarse con la lámina de aluminio hacia el exterior (visible desde el exterior). Hay bridas de lámina de aluminio de 2.5 pulgadas (63 mm) para las uniones horizontales en un extremo de cada rollo de Low-E Housewrap. Las filas superiores deben solaparse con las filas inferiores de manera similar a las tejas. Para las uniones verticales, se deben unir los bordes de espuma de dos rollos y se debe sellar la unión con cinta adhesiva. TODAS las uniones de bridas verticales y horizontales deben sellarse con cinta adhesiva de unión Low-E. Cualquier área de Low-E Housewrap que haya sufrido daños o compromisos leves durante la instalación también se puede reparar con cinta adhesiva de unión Low-E. Consulte las sugerencias de instalación del fabricante de ventanas y puertas para instalar Low-E Housewrap sobre aberturas enmarcadas. Cuando se utiliza Low-E Housewrap sobre revestimiento de espuma, debe fijarse con clavos para techos o sujetadores aprobados cuya longitud supere el grosor de la espuma en al menos 1/2 pulgada (12,7 mm). Cuando se utiliza sobre revestimiento a base de madera en una aplicación de estuco exterior, el Low-E Housewrap debe aplicarse en conjunto con una capa de barrera resistente al agua de grado D con una clasificación de resistencia al agua de 60 minutos, aplicada sobre el revestimiento de acuerdo con la Sección 2510.6 del IBC de 2012, 2009 y 2006, o la Sección R703.7.3 del IRC de 2018 y 2015 (Sección R703.6.3 del IRC de 2012, 2009 y 2006), o se puede instalar en una sola capa donde esté separado del estuco por una capa intermedia sustancialmente no absorbente de agua o un espacio de drenaje diseñado.

**PARA CUALQUIER PRODUCTO ADICIONAL O PREGUNTAS SOBRE LA INSTALACIÓN CON RESPECTO A  
LOW-E HOUSEWRAP, LLAME AL 800-BUY-LOWE. (800-289-5693)**