

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



# Low-E Housewrap

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

PRODUCT CODES: 4PFNS, 5PFNS, 6PFNS  
 PRODUCT DIMENSIONS & DESCRIPTION: Single sided scrimmed aluminum foil laminated to polyethylene foam, perforated  
 WIDTH: 4', 5', 6' (with a 2" overlapping flange)  
 LENGTH: 125', 100', 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  
 FLAME & SMOKE: ASTM E84 Flame Spread <25 Smoke Developed <50  
 FULL SCALE FIRE TEST: (WALLS ONLY): NFPA-286 Passed  
 \* Horizontal heat flow: vinyl siding with 0.375" reflective airspace & Low-E Housewrap attached to nominal thickness 1/2" wood sheathing.



**REFLECTIVE INSULATION**  
 INSULATION SOLUTIONS FOR OVER 25 YEARS



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

**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.

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

**Low-E Housewrap is designed for use over exterior sidewall sheathing ONLY.**

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)