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ICC-ES Report

ESR-1108

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Reissued 12/2015
This report is subject to renewal 12/2017.

DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION
SECTION: 07 25 00—WATER-RESISTIVE BARRIERS/WEATHER BARRIERS
SECTION: 07 27 00—AIR BARRIERS

REPORT HOLDER:

JX NIPPON ANCI, INC.

**600 TOWNPARK LANE, SUITE 075
KENNESAW, GEORGIA 30144**

EVALUATION SUBJECT:

**JX NIPPON ANCI HIGH PERM DRAINAGE AIR BARRIER, JX NIPPON ANCI
COMMERCIAL AIR BARRIER, JX NIPPON ANCI LOW PERM DRAINAGE AIR BARRIER**



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**DIVISION: 07 00 00—THERMAL AND MOISTURE
PROTECTION****Section: 07 25 00—Water-resistive Barriers/Weather
Barriers****Section: 07 27 00—Air Barriers****REPORT HOLDER:****JX NIPPON ANCI, INC.
600 TOWNPARK LANE, SUITE 075
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(404) 891-1310**www.clafusa.com
claf.sales@clafusa.com**ADDITIONAL LISTEES:****BARRICADE BUILDING PRODUCTS, DIVISION OF
SPECIALTY COATING AND LAMINATING, LLC
10351 VERDON ROAD
DOSWELL, VIRGINIA 23047
(804) 876-3135**www.barricadebp.com**HOMEGUARD BUILDING PRODUCTS INC.
6797 THOREAU LANE
BALTIMORE, OHIO 43105
(616) 846-0804****INNOVATIVE DESIGNS, INC.
124 CHERRY STREET
PITTSBURG, PENNSYLVANIA 15223
(412) 799-0350****EVALUATION SUBJECT:****JX NIPPON ANCI HIGH PERM DRAINAGE AIR BARRIER,
JX NIPPON ANCI COMMERCIAL AIR BARRIER,
JX NIPPON ANCI LOW PERM DRAINAGE AIR BARRIER****ADDITIONAL LISTEE PRODUCT NAMES:****BARRICADE BUILDING PRODUCTS, DIVISION OF
SPECIALTY COATING AND LAMINATING, LLC:
R-WRAP™ PROTECTIVE HOUSEWRAP, BARRICADE
COMMERCIAL AIR BARRIER, BARRICADE DRAINAGE
WRAP****HOHMANN & BARNARD, INC.:
RESIDENTIAL AIR BARRIER AND COMMERCIAL AIR
BARRIER****HOMEGUARD BUILDING PRODUCTS INC.:
HOMEGUARD DRAINAGE WRAP HP PLUS,
HOMEGUARD DRAINAGE WRAP MP PLUS, AND
HOMEGUARD DRAINAGE WRAP LP PLUS****INNOVATIVE DESIGNS, INC.:
INSULTEX® HOUSEWRAP****1.0 EVALUATION SCOPE****Compliance with the following codes:**

- 2009 and 2006 *International Building Code*® (IBC)
- 2009 and 2006 *International Residential Code*® (IRC)
- 2009 and 2006 *International Energy Conservation Code*® (IECC)
- 2013 *Abu Dhabi International Building Code* (ADIBC)†

†The ADIBC is based on the 2009 IBC. 2009 IBC code sections referenced in this report are the same sections in the ADIBC.

- Other Codes (see Section 8.0)

Properties evaluated:

- Water resistance
- Surface-burning characteristics
- Air leakage

2.0 USES

The products recognized in this report (JX Nippon ANCI High Perm Drainage Air Barrier, JX Nippon ANCI Commercial Air Barrier, JX Nippon ANCI Low Perm Drainage Air Barrier, R-Wrap™ Protective Housewrap, Barricade Commercial Air Barrier, Barricade Drainage Wrap, Residential Air Barrier, Commercial Air Barrier, HomeGuard Drainage Wrap HP Plus, HomeGuard Drainage Wrap MP Plus and HomeGuard Drainage Wrap LP Plus and Insultex® Housewrap) are used as water-resistive barriers on the exterior side of exterior walls of buildings of any construction type under the IBC and construction permitted under the IRC. They are equivalent to Grade D paper as described in IBC Section 2510.6 and IRC Section R703.6.3. The products may also be used as air barrier materials under IRC Section N1102.4.1 and IECC Sections 402.4 and 502.4.

3.0 DESCRIPTION**3.1 General:**

The products described in this report have a flame spread index of less than 25 and a smoke-developed index of less than 450, when tested in accordance with ASTM E84.

The products have an air leakage rate not exceeding 0.02 L/s-m² at 75 Pa [0.004 cfm/ft² at 0.3 inch w.g. (1.57 psf)] when used as an air barrier material under IRC Section N1102.4.1 and IECC Sections 402.4 or 502.4.

The products are manufactured with ultraviolet stabilizing additives and are supplied in rolls and sheets of varying sizes.

3.2 JX Nippon ANCI High Perm Drainage Air Barrier:

JX Nippon ANCI High Perm Drainage Air Barrier consists of a 1.25 oz/yd² (42.4 g/m²) polyethylene nonwoven CLAF[®] fabric laminated to a 0.9 oz/yd² (30 g/m²) polyethylene microporous film. R-Wrap[™] Protective Housewrap, Residential Air Barrier and HomeGuard Drainage Wrap HP Plus and Insultex[®] Housewrap are identical to JX Nippon ANCI High Perm Drainage Air Barrier. These names also apply whenever JK Nippon ANCI High Perm Drainage Air Barrier is referenced in this report.

3.3 JX Nippon ANCI Commercial Air Barrier:

JX Nippon ANCI Commercial Air Barrier consists of a 1.25 oz/yd² (42.4 g/m²) nonwoven CLAF[®] fabric laminated to a 1.18 oz/yd² (40 g/m²) polyethylene film. Barricade Commercial Air Barrier, Commercial Air Barrier HomeGuard Drainage Wrap MP Plus are identical to JX Nippon ANCI High Perm Drainage Air Barrier. These names also apply whenever JX Nippon ANCI Commercial Air Barrier is referenced in this report.

3.4 JX Nippon ANCI Low Perm Drainage Air Barrier:

JX Nippon ANCI Low Perm Drainage Air Barrier consists of a 1.25 oz/yd² (42.4 g/m²) polyethylene nonwoven fabric laminated to a 0.9 oz/yd² (30 g/m²) polyethylene microporous film. Barricade drainage Wrap and HomeGuard Drainage Wrap LP Plus are identical to JX Nippon ANCI Low Perm Drainage Air Barrier. These names also apply whenever JX Nippon ANCI Low Perm Drainage Air Barrier is referenced in this report.

4.0 INSTALLATION**4.1 General:**

The report holder's or additional listee's published installation instructions and this report must be strictly adhered to. If requested by the code official, a copy of this report must be available at the jobsite during installation.

4.2 Water-resistive Barrier:

When installed as water-resistive barriers, the products described in this report are installed after wall framing is completed. The roll is placed approximately 2 feet (610 mm) from the starting corner and fastened to the sheathing with corrosion-resistant staples, large-headed nails, or roofing nails spaced at a maximum of 16 inches (406 mm) on center; and is then unrolled around the building and fastened, as set forth in the manufacturer's published installation instructions, at top and bottom sill plates and at framing members. A minimum of 6 inches (152 mm) of overlap is required for vertical seams and 2 inches (50.8 mm) for horizontal seams, except where the report holder's or additional listee's installation instructions specify a greater overlap dimension. When use is over wood-based sheathing in exterior plaster applications, two layers of the barrier must be applied over sheathing in accordance with IBC Section 2510.6 or IRC Section R703.6.3, as applicable. For cementitious coatings or exterior insulation and finish systems, application of the barrier must be in accordance with the evaluation report on the exterior coating.

4.3 Air Barrier Material:

When used as an air barrier, the materials must be installed in accordance with the report holder's or additional listee's installation instructions and this report.

5.0 CONDITIONS OF USE

The products described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

5.1 The products must be installed in accordance with the report holder's or additional listee's published installation instructions, the requirements of the applicable code and this report. In the event of a conflict between this report and the published installation instructions, this report governs.

5.2 The products must be covered by an exterior wall finish complying with the requirements of the applicable code.

5.3 This report is based on air leakage rates for the products as an air barrier material only. The design and evaluation of the air barrier assembly, of which the products are a component, is outside the scope of this report.

6.0 EVIDENCE SUBMITTED

6.1 Data in accordance with the ICC-ES Acceptance Criteria for Water-resistive Barriers (AC38), dated December 2011.

6.2 Report of flame spread characteristics testing in accordance with ASTM E84.

6.3 Reports of air leakage testing in accordance with ASTM E2178.

7.0 IDENTIFICATION

The products described in this report are identified by a label on the container of each roll of membrane, and by printing on the product, that includes the report holder's or additional listee's name, address, and telephone number; the product name; and the evaluation report number (ESR-1108).

8.0 OTHER CODES**8.1 Evaluation Scope:**

In addition to the codes referenced in Section 1.0, the products covered in this report were also evaluated for compliance with the requirements of the following codes:

- 2003 *International Building Code*[®] (2003 IBC)
- 2003 *International Residential Code*[®] (2003 IRC)
- 2003 *International Energy Conservation Code*[®] (2003 IECC)
- 1999 *BOCA National Building Code*[®] (BNBC)
- 1999 *Standard Building Code*[®] (SBC)
- 1997 *Uniform Building Code*[™] (UBC)

8.2 Uses:

See Section 2.0, with the following modification for the UBC: The products are also equivalent to a Grade D paper as described in UBC Section 2506.4.

8.3 Description:

See Section 3.0.

8.4 Installation:

See Section 4.0, except for the following modification for the UBC: When use is over wood-based sheathing in exterior plaster applications, two layers of a water-resistive barrier must be applied over sheathing in accordance with UBC Section 2506.4.

8.5 Conditions of Use:

See Section 5.0.

8.6 Evidence Submitted:

See Section 6.0.

8.7 Identification:

See Section 7.0.