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

REPORT HOLDER:

OKS POLY CO., LTD.

50, SENG SEO-RO 35 GIL
DALSEO-GU, DAEGU
SOUTH KOREA

EVALUATION SUBJECT:

KS HOUSEWRAP AND KS PREMIUMWRAP WATER-RESISTIVE BARRIERS

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SOUTH KOREA
(+ 82 53) 5821-1757
www.okspoly.com

PRODUCTS: KS HOUSEWRAP AND KS PREMIUMWRAP
WATER-RESISTIVE BARRIERS

ADDITIONAL LISTEEs:

UFP DISTRIBUTION
2701 ADA DRIVE
ELKHART, INDIANA 46514
(574) 266-3603
www.ufpi.com

PRODUCTS: UFP HOUSEWRAP AND UFP PREMIUMWRAP

INTERTAPE POLYMER GROUP
50 ABBEY AVENUE
TRURO, NOVA SCOTIA B2N 6W4
www.intertapepolymer.com

PRODUCT: NOVAWRAP

G.A.P. ROOFING INCORPORATED
4444 HUNT STREET
PRYOR, OKLAHOMA 74361
(800) 880-9808
www.gaproofing.us

PRODUCT: WATERGUARD HOUSEWRAP

EVALUATION SUBJECT:
KS HOUSEWRAP AND KS PREMIUMWRAP WATER-RESISTIVE BARRIERS

1.0 EVALUATION SCOPE

1.1 Compliance with the following codes:
- 2012 and 2009 International Building Code® (IBC)
- 2012 and 2009 International Residential Code® (IRC)

Properties evaluated:
- Physical properties

1.2 Evaluation to the following green code(s) and/or standards:
- 2016 California Green Building Standards Code (CALGreen), Title 24, Part 11

Attributes verified:
- See Section 3.1

2.0 USES

KS Housewrap (UFP Housewrap, Novawrap, or Waterguard Housewrap) and KS Premiumwrap (UFP Premiumwrap) are used as alternatives to the water-resistive barriers specified in IBC Section 1404.2 and IRC Section R703.2. KS Housewrap and KS Premiumwrap are equivalent to Grade D building paper as described in the exception to IBC Section 2510.6 and IRC Section R703.6.3.

The water-resistive barriers may be used on the exterior side of exterior walls of buildings in all types of construction, except that under the 2012 IBC, the water-resistive barriers may be used on buildings of Type I, II, III or IV construction that are not greater than 40 feet (12.2 m) in height above grade. The water-resistive barriers may also be used on construction permitted under the IRC.

3.0 DESCRIPTION

3.1 General:
KS Housewrap is a woven, perforated, polyolefin fabric with a polymeric coating on one side. It is produced in rolls of varying sizes and has a nominal weight of 1.92 ounces per square yard. KS Premiumwrap is a woven, perforated, polyolefin fabric with a polymeric coating on both sides. It is produced in rolls of varying sizes and has a nominal weight of 2.21 ounces per square yard.

The attributes of the water-resistant barriers have been verified as conforming to the provisions of (i) CALGreen Section 5.407.1 and (ii) ICC 700-2015 and ICC 700-2012 Section 602.1.8, 11.602.1.8 and 12.5.602.1.8; and (iii) ICC 700-2008 Section 602.9 for water-resistant barriers. Note that decisions on compliance for those areas rest with the user of this report. The user is advised of the project-specific provisions that may be contingent upon meeting specific conditions, and the verification of those conditions is outside the scope of this report. These
codes or standards often provide supplemental information as guidance.

3.2 Surface-burning Characteristics:
KS Housewrap and KS Premiumwrap have a flame-spread index of 25 or less and a smoke-developed index of 450 or less, when tested in accordance with ASTM E84.

4.0 INSTALLATION
The KS Housewrap and KS Premiumwrap water-resistive barriers must be installed on the exterior side of exterior walls over exterior sheathing or insulation. The water-resistant barriers are installed after wall framing is completed and before windows and doors are installed. The manufacturer’s published installation instructions and this report must be strictly adhered to. If requested by the code official, a copy of this report is to be available at the jobsite during installation.

The roll is placed approximately 2 to 3 feet from the starting corner and is fastened to the sheathing or framing members with corrosion-resistant nails or staples with minimum 1-inch (25.4 mm) crowns; and is then unrolled around the building and fastened with nails or staples at a maximum of 18 inches (457 mm) on center along studs and a maximum of 8 inches (203 mm) on center along top and bottom sill plates. The printed sides of the barriers are installed facing the outside. The water-resistive barriers must be installed horizontally on vertical walls, with the upper layer lapped over the lower layer. A minimum of 6 inches (152 mm) of overlap must be provided for vertical seams and 6 inches (152 mm) for horizontal seams, except where the published installation instructions specify a greater overlap. When use is over wood-based sheathing in exterior plaster applications, the product 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. When the water-resistant barriers are installed over nonstructural sheathing products or foam insulation boards, fasteners must penetrate the framing members at least \( \frac{1}{2} \) inch (13 mm) and be spaced as noted above.

5.0 CONDITIONS OF USE
The KS Housewrap and KS Premiumwrap water-resistant barriers 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 manufacturer’s published instructions, the requirements of the applicable code and this report. In the event of a conflict between this report and the manufacturer’s published installation instructions, this report governs.

5.2 The products must be covered in accordance with the manufacturer’s installation instructions with an approved exterior wall covering complying with the applicable code.

6.0 EVIDENCE SUBMITTED
6.1 Data in accordance with the ICC-ES Acceptance Criteria for Water-resistive Barriers (AC38), dated January 2013.

6.2 Reports of surface-burning characteristics testing in accordance with ASTM E84.

7.0 IDENTIFICATION
The KS Housewrap (UFP Housewrap, NovaWrap, or Waterguard Housewrap) and KS Premiumwrap (UFP Premiumwrap) water-resistant barriers are identified by a label on each roll of membrane, and by printing on the product at regular intervals, that includes the report holder’s name (OKS Poly Co., Ltd.) or additional listee’s name (UFP Distribution, Intertape Polymer Group, or G.A.P. Roofing Incorporated) and address, the product name, and the evaluation report number (ESR-3431).