

## ICC-ES Evaluation Report

ESR-2030

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This report is subject to re-examination in one year.

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DIVISION: 07—THERMAL AND MOISTURE PROTECTION  
Section: 07280—Water-Resistive Barriers

## REPORT HOLDER:

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## EVALUATION SUBJECT:

EAGLE KRAFT 30, EAGLE KRAFT 60, EAGLE KRAFT  
SQUARED 30 AND EAGLE KRAFT SQUARED 60  
WATER-RESISTIVE BARRIERS

## 1.0 EVALUATION SCOPE

## Compliance with the following codes:

- 2006 *International Building Code*® (IBC)
- 2006 *International Residential Code*® (IRC)

## Properties evaluated:

Water resistance

## 2.0 USES

Eagle Kraft 30, Eagle Kraft 60, Eagle Kraft Squared 30 and Eagle Kraft Squared 60 are used as water-resistive barriers on the exterior side of exterior walls of buildings of Type V-B construction (IBC) and structures regulated under the IRC. The products are an alternative to the ASTM D 226 asphalt-saturated felt specified in IBC Section 1404.2 and IRC Section 703.2 for water-resistive barriers. Eagle Kraft Squared 30 and Eagle Kraft Squared 60 are equivalent to the two layers of Grade D building paper required by IBC Section 2510.6 and IRC Section R703.6.3; and Eagle Kraft 30 and Eagle Kraft 60 are equivalent to one of the two layers of Grade D building paper specified in IBC Section 2510.6 and IRC Section R703.6.3.

## 3.0 DESCRIPTION

## 3.1 Eagle Kraft 30:

Eagle Kraft 30 is an asphalt-saturated kraft paper complying with UBC Standard 14-1 as a Type 1, Grade D, Style 2. Eagle Kraft 30 is manufactured in rolls 40 inches (1016 mm) wide and 97 feet (29.6 m) long, and having a nominal weight of 0.33 pound per square yard (0.18 kg/m<sup>2</sup>).

## 3.2 Eagle Kraft 60:

Eagle Kraft 60 is an asphalt-saturated kraft paper complying with UBC Standard 14-1 as a Type 1, Grade D, Style 2, having a 60-minute water-resistance rating. Eagle Kraft 60 is manufactured in rolls 40 inches (1016 mm) wide and 72 feet (22 m) long, and having a nominal weight of 0.47 pound per square yard (0.25 kg/m<sup>2</sup>).

## 3.3 Eagle Kraft Squared 30:

Eagle Kraft Squared 30 is two independent layers of Eagle Kraft 30 rolled together into a single roll for use when two layers of Grade D paper are required for installation under exterior plaster applied over wood-based solid sheathing in accordance with IBC Section 2510.6 and IRC Section R703.6.3. Eagle Kraft Squared 30 is manufactured in rolls 40 inches (1016 mm) wide and 48.5 feet (14.8 m) long, and having a nominal weight of 0.66 pound per square yard (0.36 kg/m<sup>2</sup>).

## 3.4 Eagle Kraft Squared 60:

Eagle Kraft Squared 60 is two independent layers of Eagle Kraft 60 rolled together into a single roll for use when two layers of Grade D paper are required for installation under exterior plaster applied over wood-based solid sheathing in accordance with IBC Section 2510.6 and IRC Section R703.6.3. Eagle Kraft Squared 60 is manufactured in rolls 40 inches (1016 mm) wide and 48.5 feet (14.8 m) long, and having a nominal weight of 0.94 pound per square yard (0.50 kg/m<sup>2</sup>).

## 4.0 INSTALLATION

The barriers are installed after the wall framing is completed and before the windows and doors are installed. Installation of the barrier is started approximately 2 feet (610 mm) from a building corner, where the barrier is fastened using <sup>3</sup>/<sub>8</sub>-inch-diameter-head (9.5 mm) nails, roofing nails or wide crown staples spaced a maximum of 16 inches (406 mm) on center vertically at framing members. The barrier is then unrolled around the building and fastened with nails or staples spaced a maximum of 32 inches (813 mm) on center vertically at framing members. The barrier is installed with a minimum 2-inch (51 mm) overlap for horizontal seams and a minimum 6-inch (152 mm) overlap for vertical seams. When use is over wood-based sheathing in exterior plaster applications, two layers of Eagle Kraft 30 or Eagle Kraft 60 shall be applied over the sheathing in accordance with IBC Section 2510.6. The Eagle Kraft Squared 30 or Eagle Kraft Squared 60, consisting of two independent layers of Grade D water-resistant material, may be installed in one application in lieu of two layers being independently

installed. For cementitious coatings or exterior insulation and finish systems, application of the barrier shall be in accordance with the evaluation report on the exterior coating.

## 5.0 CONDITIONS OF USE

The Eagle Kraft 30, Eagle Kraft 60, Eagle Kraft Squared 30 and Eagle Kraft Squared 60 water-resistive 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 barriers shall be installed in accordance with the manufacturer's published installation instructions, this report and the applicable code. In the event of a conflict between the manufacturer's published

installation instructions and this report, this report shall govern.

5.2 The barriers shall be limited to buildings of Type V-B construction (IBC) or structures constructed in accordance with the IRC.

## 6.0 EVIDENCE SUBMITTED

Data in accordance with the ICC-ES Acceptance Criteria for Water-resistive Barriers (AC38), dated February 2008.

## 7.0 IDENTIFICATION

The barriers are identified with a label showing the product name, the name of the report holder (Tree Island Industries, Ltd.), the manufacturing location, a date code and the evaluation report number (ESR-2030).