

ICC-ES Evaluation Report

ESR-2595

Reissued December 1, 2010

This report is subject to renewal in two years.

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**DIVISION: 07 00 00—THERMAL AND MOISTURE
PROTECTION**
**Section: 07 25 00—Water-Resistive Barriers/Weather
Barriers**
REPORT HOLDER:

DAVIS WIRE CORPORATION
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EVALUATION SUBJECT:
**DAVIS WIRE ALL-PURPOSE BUILDING PAPER AND
DAVIS WIRE 60 MINUTE BUILDING PAPER WATER-
RESISTIVE BARRIERS**
1.0 EVALUATION SCOPE
Compliance with the following codes:

- 2009 *International Building Code*® (2009 IBC)
- 2009 *International Residential Code*® (2009 IRC)
- 2006 *International Building Code*® (2006 IBC)
- 2006 *International Residential Code*® (2006 IRC)

Property evaluated:

Water resistance

2.0 USES

The Davis Wire All-Purpose and 60 Minute building papers are used as water-resistive barriers on the exterior side of exterior walls of buildings of Type V-B (IBC) construction and construction allowed under the IRC. The Davis Wire building papers are alternatives to the water-resistive barriers specified in IBC Section 1404.2 and IRC Section R703.2, and are equivalent to Grade D paper as described in IBC Section 2510.6 and IRC Section R703.6.3.

3.0 DESCRIPTION
3.1 Davis Wire All-Purpose Building Paper:

The All-Purpose building paper is a Grade D, Style 2, kraft-paper-based, asphalt-saturated sheet material with an average basis weight of 5.7 ounces per square yard (193 g/m²), produced in rolls 40 inches wide (1016 mm) and in varying lengths.

3.2 Davis Wire 60 Minute Building Paper:

The building paper in a Grade D, Style 2, kraft-paper-based, asphalt-saturated sheet material, having a 60-minute water-resistance rating, with an average basis weight of 9.7 ounces per square yard (328 g/m²), produced in rolls 40 inches wide (1016 mm) and in varying lengths.

4.0 INSTALLATION

The Davis Wire building papers are installed after wall framing is completed and before windows and doors are installed. The roll is placed approximately 6 inches (152 mm) from the starting corner and fastened with corrosion-resistant staples with minimum 1-inch (25.4 mm) crowns, corrosion-resistant nails having minimum 3/8-inch-diameter (9.5 mm) heads, or corrosion-resistant nails having 1-inch-diameter (25.4 mm) plastic washer heads, spaced at a maximum of 6 inches (152 mm) on center, and is then unrolled around the building and fastened with nails or staples spaced at a maximum of 12 inches (305 mm) on center. A minimum of 6 inches (152 mm) of overlap must be provided for vertical seams and 4 inches (102 mm) for horizontal seams, except where the manufacturer's installation instructions specify a greater overlap dimension. When use is over wood-based sheathing in exterior plaster applications, two layers of either product must be applied over the sheathing in accordance with IBC Section 2510.6 or IRC Section R703.6.3, or one layer of the Davis Wire 60 Minute building paper may be installed when the installation is in accordance with the exception to IBC Section 2510.6 or IRC Section R703.6.3. For cementitious coatings or exterior insulation and finish systems, application must be in accordance with the ICC-ES evaluation report on the exterior coating.

5.0 CONDITIONS OF USE

The Davis Wire All-Purpose Building Paper and Davis Wire 60 Minute Building Paper 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 product must be installed in accordance with the manufacturer's published installation instructions 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 water-resistive barriers are limited to use on buildings of Type V-B (IBC) construction and construction allowed under the IRC.

6.0 EVIDENCE SUBMITTED

Data in accordance with the ICC-ES Acceptance Criteria for Water-resistive Barriers (AC38), dated October 2009.

7.0 IDENTIFICATION

The Davis Wire All-Purpose Building Paper and Davis Wire 60 Minute Building Paper described in this report are identified by a label, on each roll, bearing the report holder's name (Davis Wire Corporation) and address, the product name, and the evaluation report number (ESR-2595).