

# ICC-ES Evaluation Report


ESR-2862

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<p><b>DIVISION: 07 00 00— THERMAL AND MOISTURE PROTECTION</b></p> <p><b>Section: 07 25 00— Water-Resistive Barriers/Weather Barriers</b></p>	<p><b>REPORT HOLDER: FABRENE INC.</b></p> <p><b>ADDITIONAL LISTEE: THE DOW CHEMICAL COMPANY</b></p>	<p><b>EVALUATION SUBJECT: AIRGARD™ AND WEATHERMATE WATER-RESISTIVE BARRIERS</b></p>	
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## 1.0 EVALUATION SCOPE

### 1.1 Compliance with the following codes:

- 2009 [International Building Code® \(IBC\)](#) (2009 IBC)
- 2009 [International Residential Code \(IRC\)](#) (2009 IRC)
- 2006 [International Building Code® \(IBC\)](#) (2009 IBC)
- 2006 [International Residential Code \(IRC\)](#) (2009 IRC)

### Properties evaluated:

- Physical properties
- Surface Burning Characteristics

### 1.2 Evaluation to the following green code(s) and/or standards:

- 2022 [California Green Building Standards Code \(CALGreen\)](#), Title 24, Part 11
- 2020, 2015, 2012 and 2008 ICC 700 [National Green Building Standard™](#) (ICC 700-2020, ICC 700-2015, ICC 700-2012 and ICC 700-2008)

### Attributes verified:

See Section 3.1

## 2.0 USES

AirGard™ and Weathermate are used as water-resistive barriers on the exterior side of exterior walls of buildings of any construction type and construction permitted under the IRC. They are alternatives to the water-resistive barrier 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 General:

The products 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 attributes of the water-resistive barriers have been verified as conforming to the provisions of (i) CALGreen Section 5.407.1; (ii) ICC 700-2020 Sections 602.1.8, 11.602.1.8, 1202.6, and 13.104.1.4; (iii) ICC 700-2015 and ICC 700-2012 Sections 602.1.8, 11.602.1.8 and 12.5.602.1.8; and (iv) ICC 700-2008 Section 602.9 for water-resistive 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 AirGard™:

A sheet membrane comprised of a layer of coated woven polyethylene that is microperforated. The sheet membrane is white in color on the exposed surface. The material has a basis weight of 0.31 ounce per square foot (97 g/m<sup>2</sup>) and is produced in rolls of varying size.

### 3.3 Weathermate:

Weathermate is identical to the AirGard™ membrane.

## 4.0 INSTALLATION

The membranes are installed after wall framing is completed and before windows and doors are installed. The roll is placed a minimum of 6 inches (152 mm) from the starting corner and fastened to the sheathing with corrosion-resistant nails having minimum 1-inch-diameter (25.4 mm) plastic washer heads or cap heads, spaced at a maximum of 16 inches (406 mm) on center, or corrosion-resistant staples with minimum 1-inch (25.4 mm) crowns spaced a maximum of 12 inches (305 mm) on center; and is then unrolled around the building and fastened with nails spaced at a maximum of 16 inches (406 mm) on center or staples spaced a maximum of 12 inches (305 mm) on center. The printed side is installed facing the outside. A minimum of 6 inches (102 mm) of overlap must be provided for vertical seams and 2 inches (152 mm) for horizontal seams, except where the manufacturer's installation instructions specify a greater overlap dimension. When used 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 use under 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 used over foam insulation boards, the membrane must be fastened with roofing nails or other large-headed nails long enough to penetrate through the insulation into the framing studs.

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 must be available at the jobsite during installation. In the event of a conflict between this report and the published installation instructions, this report governs.

## 5.0 CONDITIONS OF USE:

The AirGard™ and Weathermate 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 products must be installed in accordance with the 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, the report governs.
- 5.2 The products must be covered by an exterior wall finish complying with the requirements of the applicable code.

## 6.0 EVIDENCE SUBMITTED

- 6.1 Data in accordance with the [ICC-ES Acceptance Criteria for Water-resistive Barriers \(AC38\)](#), dated October 2009.
- 6.2 Report of surface burning characteristics testing in accordance with ASTM E84.

## 7.0 IDENTIFICATION

- 7.1 AirGard™ and Weathermate water-resistive barriers described in this report are identified by a label on the container and by printing at regular intervals on the product, bearing the report holder's name (Fabrene, Inc.) or the additional listee's name (The Dow Chemical Company), the manufacturing location (North Bay, Ontario), the product name (AirGard™ or Weathermate), and the evaluation report number (ESR-2862).

7.2 The report holder's contact information is the following:

**FABRENE INC.**  
**240 DUPONT ROAD**  
**NORTH BAY, ONTARIO P1B 9B4**  
**CANADA**  
**(705) 476-7057**  
[www.fabrene.com](http://www.fabrene.com)

7.3 The additional listee's contact information is the following:

**THE DOW CHEMICAL COMPANY**  
**200 LARKIN CENTER**  
**1605 JOSEPH DRIVE**  
**MIDLAND, MICHIGAN 48674**