

ICC-ES Evaluation Report

ESR-2443

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**DIVISION: 07 00 00—THERMAL AND MOISTURE
PROTECTION****Section: 07 25 00—Water-Resistive Barriers/Weather
Barriers****REPORT HOLDER:****FABRENE INC.**
240 DUPONT ROAD
NORTH BAY, ONTARIO P1B 9B4
CANADA
(800) 461-6144
www.fabrene.com**EVALUATION SUBJECT:****AIRGARD VALUE™, AIRGARD EXTRA™ AND AIRGARD
XL™ WATER-RESISTIVE BARRIERS****1.0 EVALUATION SCOPE****Compliance with the following codes:**

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

Property evaluated:

Physical properties

2.0 USES

AirGard Value™, AirGard Extra™ and AirGard XL™ are used as a water-resistive barrier on the exterior side of exterior walls of buildings of Type V-B construction and construction permitted under the IRC. AirGard Value™, AirGard Extra™ and AirGard XL™ are alternatives to the water-resistive barrier specified in IBC Section 1404.2 and IRC Section R703.2 and are also equivalent to 60 minute Grade D paper as described in IBC Section 2510.6 and IRC Section R703.6.3.

3.0 DESCRIPTION**3.1 AirGard Value™:**

A sheet membrane comprised of a layer of woven polypropylene that is coated on one side with polypropylene and is then microporated. The sheet membrane is white in color on the exposed surface. The material has a basis weight of 0.21 ounce per square foot (66 g/m²) and is produced in rolls of varying size.

3.2 AirGard Extra™:

A multilayered sheet membrane comprised of a layer of nonwoven polypropylene, a laminating coating layer, polyethylene scrim and another layer of nonwoven polypropylene. AirGard Extra™ is white in color on the

exposed surface. The material has a basis weight of 0.36 ounces per square foot (110.3 g/m²) and is produced in rolls of varying size.

3.3 AirGard XL™:

A sheet membrane comprised of a layer of nonwoven polypropylene that is coated on one side with a clear coating. The material is white in color on the exposed surface, and has a basis weight of 0.39 ounce per square foot (117.5 g/m²). It is produced in rolls of varying size.

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, the product must be applied over sheathing in accordance with exceptions to IBC Section 2510.6 or IRC Section R703.6.3. For use under cementitious coatings or exterior insulation and finish systems, application must be in accordance with the evaluation report on the exterior coating.

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 manufacturer's published installation instructions, this report governs.

5.0 CONDITIONS OF USE

The AirGard Value™, AirGard Extra™ and AirGard XL™ 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 conditions that installation is in accordance with the applicable code, this report and the manufacturer's published installation instructions and installation is limited to use on buildings of Type V-B construction and construction permitted by the IRC.

6.0 EVIDENCE SUBMITTED

Data in accordance with the ICC-ES Acceptance Criteria for Water-resistive Barriers (AC308), dated October 2009.

7.0 IDENTIFICATION

The AirGard Value™, AirGard Extra™ and AirGard XL™ 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), the manufacturing location (North Bay, Ontario; Waynesboro, Virginia; or San Luis Potosi, Mexico), the product name (AirGard Value, AirGard Extra or AirGard XL), and the evaluation report number (ESR-2443).