

ICC-ES Evaluation Report

ESR-1322

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<p>DIVISION: 07 00 00— THERMAL AND MOISTURE PROTECTION</p> <p>Section: 07 30 05— Roofing Felt and Underlayment</p>	<p>REPORT HOLDER: GAF</p>	<p>EVALUATION SUBJECT: WEATHERWATCH® MINERAL SURFACED LEAK BARRIER, AND STORMGUARD® FILM SURFACED LEAK BARRIER</p>	
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1.0 EVALUATION SCOPE

1.1 Compliance with the following codes:

- 2024, 2021, 2018, 2015, 2012, 2009 and 2006 [International Building Code® \(IBC\)](#)
- 2024, 2021, 2018, 2015, 2012, 2009 and 2006 [International Residential Code® \(IRC\)](#)

Properties evaluated:

- Physical properties
- Water resistance

1.2 Evaluation to the following green standards:

- 2025 [California Green Building Standards Code \(CALGreen\)](#), Title 24, Part 11
- 2020 and 2015 [ICC 700 National Green Building Standard™](#) (ICC 700-2020 and ICC 700-2015)

Attributes verified:

- See Section 2.0

2.0 USES

WeatherWatch®, and StormGuard® are self-adhering membranes used as alternates to the ice dam membrane specified in Chapter 15 of the IBC and Chapter 9 of the IRC.

The attributes of the WeatherWatch®, and StormGuard® underlayments have been verified as conforming to the requirements of (i) ICC 700-2020 Sections 602.1.13, 11.602.1.13, 1202.9 and 13.104.1.7; (ii) ICC 700-2015 Sections 602.1.13, 11.602.1.13 and 12.5.602.1.14; and (iii) CALGreen Section A4.407.5 for ice 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.

3.0 DESCRIPTION

3.1 WeatherWatch®:

A nominally 73-mil-thick [0.073 inch (1.85 mm)], fiberglass mat–reinforced, SBS-modified bitumen membrane with mineral fines on the top surface. The membrane is backed with a release film to protect the membrane adhesive. The membrane is black in color and is produced in rolls of varying size.

3.2 StormGuard®:

A nominally 55-mil-thick [0.055 inch (1.39 mm)], fiberglass mat–reinforced, SBS-modified bitumen membrane with a polymeric film on the top surface. The membrane is backed with a release film to protect the membrane adhesive. The membrane is black in color and is produced in rolls of varying size.

4.0 INSTALLATION

Installation of the WeatherWatch®, and StormGuard® membranes must comply with this report and the manufacturer's published instructions. The installation instructions must be available at the jobsite at all times during installation. In the event of a conflict, this report governs.

Prior to application, the deck surface must be free of frost, dust and dirt, loose nails, and other protrusions. Installation is limited to plywood substrates. The membrane is to be applied only when the ambient air and surface temperatures are above 45°F (7.2°C) and below 120°F (48.9°C).

The release paper is peeled back approximately 2 to 3 feet (610 to 916 mm) and the membrane is aligned with the lower edge of the roof and set in place. The remainder of the membrane is applied directly to the roof deck by removing the film and firmly pressing the membrane into place. The end seams must be overlapped a minimum of 6 inches (152 mm). Edge seams must be overlapped 3 inches (76 mm). The subsequent courses of membrane are applied parallel to the eave, from the lower edge of the roof upwards in a shingle-lap manner. The membrane must be installed in sufficient courses so that it extends up the roof a minimum of 24 inches (610 mm) beyond the interior line of the exterior wall.

Installation of an approved roof covering can proceed immediately following application of the membrane. The membrane must be covered by an approved asphalt shingle roof covering within the time period set forth in the report holder's published installation instructions. For reroofing applications, the same procedures apply after removal of the existing roof covering and roofing felts to expose the roof deck.

5.0 CONDITIONS OF USE:

The GAF WeatherWatch®, and StormGuard® membranes 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 Installation must comply with this report and the manufacturer's published installation instructions. In the event of a conflict, this report governs.
- 5.2 Installation is limited to use on plywood substrates on structures where nonclassified roof coverings are permitted.
- 5.3 Installation is limited to roofs with a slope of 2:12 (16.67%) or greater.
- 5.4 Installation is limited to use with roof coverings that do not involve hot asphalt or coal-tar pitch.
- 5.5 Installation is limited to use with roof coverings that are mechanically fastened through the underlayment to the sheathing or rafters.
- 5.6 Installation is limited to roofs with attics or rafter spaces that are ventilated in accordance with the requirements of the applicable code.
- 5.7 The membranes are manufactured at the GAF plants located in Mount Vernon, Indiana; Savannah, Georgia; Arkadelphia, Arkansas; and Stockton, California under a quality control program with inspections provided by ICC-ES.

6.0 EVIDENCE SUBMITTED

- 6.1 Data in accordance with the [ICC-ES Acceptance Criteria for Self-Adhered Roof Underlayments for Use as Ice Barriers \(AC48\)](#), dated February 2012 (editorially revised April 2024).
- 6.2 Data in accordance with ASTM D1970.

7.0 IDENTIFICATION

- 7.1 The WeatherWatch® and StormGuard® membranes described in this report must be identified by a label, on the container of each roll of membrane, bearing the GAF name, the product name, the manufacturing location, and the evaluation report number (ESR-1322).
- 7.2 The report holder's contact information is the following:

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