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# ICC-ES Evaluation Report

# ESR-1322

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Reissued 01/2018  
This report is subject to renewal 01/2020.

**DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION**  
**SECTION: 07 30 05—ROOFING FELT AND UNDERLAYMENT**

**REPORT HOLDER:**

**GAF**

**1 CAMPUS DRIVE  
PARSIPPANY, NEW JERSEY 07054**

**EVALUATION SUBJECT:**

**WEATHER WATCH® LEAK BARRIER, WEATHER WATCH® XT LEAK BARRIER AND  
STORMGUARD™ LEAK BARRIER**



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Reissued January 2018

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A Subsidiary of the International Code Council®

**DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION**  
**Section: 07 30 05—Roofing Felt and Underlayment**

**REPORT HOLDER:**

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**EVALUATION SUBJECT:**

**WEATHER WATCH® LEAK BARRIER, WEATHER WATCH® XT LEAK BARRIER, AND STORMGUARD™ LEAK BARRIER**

## 1.0 EVALUATION SCOPE

### 1.1 Compliance with the following codes:

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

### Properties evaluated:

- Physical properties
- Water resistance

### 1.2 Evaluation to the following green standards:

- 2012 and 2008 ICC 700 *National Green Building Standard*™ (ICC 700-2012 and ICC 700-2008)

### Attributes verified:

- See Section 2.0

## 2.0 USES

Weather Watch®, Weather Watch® XT, 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 Weather Watch®, Weather Watch® XT, and StormGuard® underlayments have been verified as conforming to the requirements of (i) ICC 700-2012 Sections 602.1.13, 11.602.1.13 and 12.5.602.1.14; and (ii) ICC 700-2008 Section 602.10 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 Weather Watch®:

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 Weather Watch® XT:

A nominally 73-mil-thick [0.073 inch (1.85 mm)], fiberglass mat-reinforced, SBS-modified bitumen membrane with a proprietary compound added to the fiberglass mat 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.

### 3.3 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 Weather Watch®, Weather Watch® XT, 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 the roof covering can proceed immediately following application of the membrane. The membrane should be covered by an approved asphalt shingle roof covering within the period established by the membrane manufacturer. 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 Weather Watch<sup>®</sup>, Weather Watch<sup>®</sup> XT and StormGuard<sup>™</sup> 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; Fresno, California; and North Branch, New Jersey, 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 Roof Underlayment for Use in Severe Climate Areas (AC48), dated October 2005 (Corrected July 2009).

6.2 Data in accordance with ASTM D1970.

#### 7.0 IDENTIFICATION

The Weather Watch<sup>®</sup>, Weather Watch<sup>®</sup> XT and StormGuard<sup>™</sup> 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).