



ICC-ES Evaluation Report

ESR-2808

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Revised June 2023

This report is subject to renewal July 2024.

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

REPORT HOLDER:

GAF

EVALUATION SUBJECT:

DECK-ARMOR™ PREMIUM BREATHABLE ROOF DECK PROTECTION, TIGER PAW™ PREMIUM ROOF DECK PROTECTION AND FELTBUSTER® SYNTHETIC ROOFING FELT

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2021, 2018, 2015, 2012, 2009 and 2006 *International Building Code*® (IBC)
- 2021, 2018, 2015, 2012, 2009 and 2006 *International Residential Code*® (IRC)

Properties evaluated:

- Physical properties
- Fire classification (Deck-Armor™ and Tiger Paw™ only)

2.0 USES

Deck-Armor™ Premium Breathable Roof Deck Protection, Tiger Paw™ Premium Roof Deck Protection and FeltBuster® Synthetic Roofing Felt are mechanically attached roofing underlayments intended for use as an alternative to ASTM D226, Types I and II, and ASTM D4869, Types I, II, III and IV, roofing underlayments specified in Chapter 15 of the IBC and Chapter 9 of the IRC.

3.0 DESCRIPTION

3.1 Deck-Armor™ Premium Breathable Roof Deck Protection:

Deck-Armor™ Premium Breathable Roof Deck Protection is comprised of two nonwoven polypropylene sheets laminated together and coated with a polymer coating. The underlayment is blue in color on the top surface, has a nominal weight of 3.7 pounds per 100 square feet (0.18 kg/m²). Roll width is 48 inches (1219 mm) and is produced in rolls of varying lengths.

3.2 Tiger Paw™ Premium Roof Deck Protection:

Tiger Paw™ Premium Roof Deck Protection is comprised of two layers of nonwoven polyolefin sheets laminated together and coated with a polymer coating on one side. There is a slip-resistant coating on the backside. The underlayment is grey in color and has a nominal weight of 4.0 pounds per 100 square feet (195 kg/m²). Roll width is 48 inches (1219 mm) and rolls are available in various lengths.

3.3 FeltBuster® Synthetic Roofing Felt:

FeltBuster® Synthetic Roofing Felt is comprised of spun-bond polypropylene and a slip-resistant coating on the backside. The underlayment is gray in color and has a nominal weight of 2.3 pounds per 100 square feet (112 g/m²). Roll width is 48 inches (1219 mm) and produced in various lengths.

4.0 INSTALLATION

4.1 General:

Installation must comply with the applicable code, this report and the report holder's published installation instructions. In the event of conflict between the report holder's instructions and this report, this report governs. The installation instructions must be available at the jobsite during installation.

Prior to application of the underlayment, the deck surface must be free of dust and dirt, loose nails, and other protrusions. Damaged sheathing must be replaced. The underlayment is laid horizontally (parallel to the eave) starting at the lowest eave point, printed side up, with 3-inch (76 mm) horizontal (head) laps and 6-inch (152 mm) vertical (end) laps. Overlaps must run with the flow of water in a shingling manner. The underlayment is attached to the roof deck as set forth in the report holder's published installation instructions, except in areas subject to high winds, where the underlayment fastening must comply with the high wind attachment requirements specified in 2021 and 2018 IBC Section 1507.1.1 (2015, 2012, 2009 and 2006 IBC Section 1507), 2021, 2018 and 2015 IRC Section R905.1 (2012, 2009 and 2006 IRC Section R905), as applicable.. When battens or counterbattens are installed over the underlayment, the underlayment need only be preliminarily attached pending attachment of the battens or counterbattens.

In areas of the roof required to have an ice barrier under Chapter 15 of the IBC or Chapter 9 of the IRC two layers of the ice barrier must be cemented together with a roofing cement complying with ASTM D4586, for a maximum distance of 24 inches (610 mm) inside the exterior wall line of the building. The roofing underlayment, in the field of the roof, overlaps the ice barrier.

The minimum slope of the roof to which the underlayment is installed, and the minimum number of layers of underlayment, must comply with the applicable requirements set forth in IBC Chapter 15 or IRC Chapter 9, as applicable, based upon the type of roof covering being installed over the underlayment.

Installation of an approved roof covering can proceed immediately following application of the roofing underlayment. The underlayment must be covered by the 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.

4.2 Reroofing:

For reroofing applications, the same procedures set forth in Section 4.1 apply after removal of the existing roof covering and roofing felts to expose the roof deck.

4.3 Fire Classification:

The Deck-Armor™ Premium Breathable Roof Deck Protection and Tiger Paw™ Premium Roof Deck Protection may be installed as a component of a roof assembly as noted in this Section.

Under the 2021, 2018, 2015, 2012 and 2009 IBC and IRC, the Deck-Armor™ Premium Breathable Roof Deck Protection and Tiger Paw™ Premium Roof Deck Protection may be used as components of classified roof assemblies consisting of Class A or Class C asphalt glass fiber mat shingles or Class C asphalt organic felt shingles complying with the applicable code, when installed over a minimum 3/8-inch-thick (9.5 mm) plywood deck.

Under the 2006 IBC, the Deck-Armor™ Premium Breathable Roof Deck Protection and Tiger Paw™ Premium Roof Deck Protection may be used in Class A or Class B roof assemblies that utilize the roof coverings specified in the exception to Sections 1505.2 and 1505.3. Under the 2006 IRC, the underlayments may be used with roof coverings of brick, masonry, slate, clay or concrete roof tile, concrete roof deck, ferrous or copper shingles or sheets, and metal sheets and shingles where such roof coverings are permitted to be used in lieu of a Class A assembly under Section R902.1.

Use of FeltBuster® Synthetic Roofing Felt is limited to use on structures located in areas where non-classified roof coverings are permitted.

5.0 CONDITIONS OF USE

The DeckArmor™ Premium Breathable Roof Deck Protection, Tiger Paw™ Premium Roof Deck Protection and FeltBuster® Synthetic Roofing Felt 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 installation complies with the applicable code, this report and the report holder's published installation instructions. In the event of a conflict between the report holder's published installation instructions and this report, this report governs.
- 5.2 Installation is limited to use with roof coverings that do not involve hot asphalt or coal-tar pitch.
- 5.3 Installation is limited to roofs with a slope of 2:12 (16.67 percent) or greater.
- 5.4 Installation is limited to use with approved roof coverings that are mechanically fastened through the underlayment to the sheathing or rafters or to use with approved roof coverings that are mechanically fastened to battens or counterbattens that are mechanically fastened through the underlayment to the sheathing or rafters.
- 5.5 Installation is limited to roofs with ventilated attic spaces in accordance with the requirements of the applicable code.
- 5.6 The product is manufactured under a quality control program with inspections by ICC-ES.

6.0 EVIDENCE SUBMITTED

- 6.1 Data in accordance with the ICC-ES Acceptance Criteria for Roof Underlayments (AC188), dated February 2023.
- 6.2 Report of testing in accordance with ASTM E108 (UL 790).

7.0 IDENTIFICATION

- 7.1 Product labeling shall include, the name of the report holder or listee, and the ICC-ES mark of conformity. The listing or evaluation report number (ICC-ES ESR-2808) may be used in lieu of the mark of conformity. Each roll of the Deck-Armor™ Premium Breathable Roof Deck Protection, Tiger Paw™ Premium Roof Deck Protection and FeltBuster® Synthetic Roofing Felt described in this report is marked at regular intervals with the report holder's name (GAF) and, the product name (Deck-Armor™, Tiger Paw™ or FeltBuster®), the roll number and the evaluation report number (ESR-2808).
- 7.2 The report holder's contact information is the following:

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