

ICC-ES Evaluation Report

ESR-2945

Reissued March 2025


This report also contains:

- [CA Supplement](#)

Subject to renewal March 2027

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DIVISION: 07 00 00— THERMAL AND MOISTURE PROTECTION Section: 07 30 05— Roofing Felt and Underlayment	REPORT HOLDER: PRIMESOURCE BUILDING PRODUCTS, INC.	EVALUATION SUBJECT: GRIP-RITE SHINGLELAYMENT® SYNTHETIC ROOFING UNDERLAYMENTS AND RESISTOR 48 SYNTHETIC ROOFING UNDERLAYMENT	
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1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2021, 2018, 2015, 2012, and 2009 [International Building Code® \(IBC\)](#)
- 2021, 2018, 2015, 2012, and 2009 [International Residential Code® \(IRC\)](#)
- 2013 *Abu Dhabi International Building Code (ADIBC)*[†]

[†]The ADIBC is based on the 2009 IBC. 2009 IBC code sections referenced in this report are the same sections in the ADIBC.

Properties evaluated:

- Physical properties
- Water resistance
- Fire classification

2.0 USES

Grip-Rite ShingleLayment®, Grip-Rite ShingleLayment® Premium, Grip-Rite ShingleLayment®-15 Pro, Grip-Rite ShingleLayment®-15 LWE, Grip-Rite ShingleLayment®-15 GRE and Resistor 48 synthetic roofing underlayments are used as alternatives to the ASTM D226, Type I and Type II, roofing underlayments specified in IBC Chapter 15 and IRC Chapter 9. The roof underlayments are also used as components of classified roofing assemblies when installed as described in this report.

3.0 DESCRIPTION

Grip-Rite ShingleLayment® and Resistor 48 synthetic roofing underlayments are comprised of a coated woven polypropylene. The underlayments have a nominal 8-mil thickness and a weight of 2.8 pounds per 100 square feet (137 g/m²) and are available in roll sizes up to 48 inches (1219 mm) wide and 250 feet (76.2 m) long.

Grip-Rite ShingleLayment® Premium synthetic roofing underlayment is comprised of a coated woven polypropylene. The underlayment has a nominal 8.5-mil thickness and a weight of 2.6 pounds per 100 square feet (126 g/m²) and is available in roll sizes up to 48 inches (1219 mm) wide and 250 feet (76.2 m) long.

Grip-Rite ShingleLayment®-15 Pro synthetic roofing underlayment is comprised of a coated woven polypropylene. The underlayment have a nominal 7-mil thickness and a weight of 1.9 pounds per 100 square feet (93 g/m²) and are available in roll sizes up to 48 inches (1219 mm) wide and 250 feet (76.2 m) long.

Grip-Rite ShingleLayment®-15 LWE and Grip-Rite ShingleLayment®-15 GRE synthetic roofing underlayments are comprised of a coated woven polypropylene. The underlayments have a nominal 6.5-mil thickness and a weight of 1.7 pounds per 100 square feet (85 g/m²) and are available in roll sizes up to 48 inches (1219 mm) wide and 250 feet (76.2 m) long.

4.0 DESIGN AND INSTALLATION

4.1 General:

Installation must comply with the requirements of the applicable code, this report and the report holder's or additional listee's published installation instructions. The installation instructions must be available at the jobsite at all times during installation.

Prior to application of the underlayment, the deck surface must be free of frost, dust and dirt, loose nails, and other protrusions. Damaged sheathing must be replaced.

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 or additional listee'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 Application:

The underlayment must be installed in accordance with IBC Chapter 15 or IRC Chapter 9. The underlayment must be laid horizontally (parallel to the eave), with the printed side up, starting at the lower edge of the roof, with 4-inch (101 mm) horizontal (head) laps and 6-inch (152 mm) vertical (end) laps.

The underlayment must be fastened to the roof deck using No. 12 gage [0.109-inch shank diameter (2.77 mm)], corrosion-resistant roofing nails having a minimum 1-inch-diameter (25.4 mm) plastic or metal caps; or No. 14 gage [0.083-inch shank diameter (2.11 mm)], corrosion-resistant roofing nails with minimum 1-inch-diameter plastic or metal caps; or No. 16 gage [0.065 inch leg diameter (1.65 mm)] corrosion-resistant staples having minimum ⁷/₁₆-inch crowns (11.1 mm) with minimum 1-inch-diameter (25.4 mm) plastic or metal caps. Dimensional tolerances of fasteners conform to ASTM F1667. The fasteners must be spaced 8 inches (203 mm) on center at vertical and horizontal laps, and 24 inches (610 mm) on center down the center of the roll with vertical laps staggered at least 3 feet (914 mm) apart, except in areas subject to high winds where underlayment fastening must comply with the high wind attachment requirements specified in IBC Section 1507 or IRC Section R905. Fasteners must be long enough to penetrate the sheathing a minimum of ³/₄ inch (19.1 mm) or through the sheathing, whichever is less. When battens are installed over the underlayment, the underlayment need only be preliminarily attached pending attachment of the battens or counterbattens.

Where the slope is from 2:12 (17-percent slope) up to 4:12 (33-percent slope) and the roof is to be covered with asphalt shingles, or where the slope is from 2½:12 (21-percent slope) up to 4:12 (33-percent slope) and the roof is to be covered with concrete or clay roof tiles, the underlayment must be horizontally lapped 24 inches (610 mm) to the centerline of the underlying course to form two layers with 6-inch (152 mm) vertical laps. Subsequent courses of underlayment must be installed parallel to the eave, from the lower edge upwards to the ridge, in a shingle manner. The underlayment must be mechanically fastened as specified in this section.

4.3 Ice barrier:

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

4.4 Flashing:

Flashing must be in accordance with the applicable code. Flashing around protrusions must be over the lower course of the underlayment and under the upper course of the underlayment, to prevent water backup. When used, metal drip edges must be installed beneath the underlayment at the eaves and over the underlayment at rakes.

4.5 Fire Classification:

Grip-Rite ShingleLayment® and Resistor 48 synthetic roofing underlayments may be used as a component of a classified roof assembly consisting of Class A or Class C glass fiber mat shingle or Class C asphalt organic shingle complying with the applicable code, when installed in accordance with this report over a minimum ½-inch-thick (12.7 mm) plywood deck.

Under the 2021, 2018, 2015, 2012 and 2009 IBC, the underlayments may be used in Class A roof assemblies that include the roof coverings specified in the exceptions to IBC Section 1505.2.

Under the 2021, 2018, 2015, 2012 and 2009 IRC, the underlayments may be used in Class A roof assemblies that include the roof coverings specified in the exceptions to Section R902.1.

The Grip-Rite ShingleLayment® Premium, Grip-Rite ShingleLayment®-15 Pro, Grip-Rite ShingleLayment®-15 LWE and Grip-Rite ShingleLayment®-15 GRE underlayments may be used in nonclassified roof coverings or as a component of a classified roofing assembly when specifically recognized as such in a listing approved by the code official.

5.0 CONDITIONS OF USE:

The Grip-Rite ShingleLayment®, Grip-Rite ShingleLayment® Premium, Grip-Rite ShingleLayment®-15 Pro, Grip-Rite ShingleLayment®-15 LWE, Grip-Rite ShingleLayment®-15 GRE and Resistor 48 synthetic roofing underlayments 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 must comply with this report, the report holder's published installation instructions and the applicable code. In the event of a conflict between this report and the published installation instructions, this report governs.
- 5.2 Installation is limited to roofs with a minimum slope of 2:12 (16.67 percent) or greater.
- 5.3 Installation is limited to use with roof coverings that do not involve hot asphalt or coal-tar pitch.
- 5.4 Installation is limited to roofs with ventilated attic spaces in accordance with the requirements of the applicable code.
- 5.5 Installation is limited to use with roof coverings that are mechanically fastened through the underlayment to the sheathing or rafters.
- 5.6 The Grip-Rite ShingleLayment®, Grip-Rite ShingleLayment® Premium, Grip-Rite ShingleLayment®-15 Pro, Grip-Rite ShingleLayment®-15 LWE, Grip-Rite ShingleLayment®-15 GRE and Resistor 48 synthetic roofing underlayments are 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 Data in accordance with ASTM E108 for Grip-Rite ShingleLayment® and Resistor 48 roofing underlayments.

7.0 IDENTIFICATION

- 7.1 The ICC-ES mark of conformity, electronic labeling, or the evaluation report number (ICC-ES ESR-2945) along with the name, registered trademark, or registered logo of the report holder must be included in the product label.
- 7.2 In addition, each roll of Grip-Rite ShingleLayment®, Grip-Rite ShingleLayment® Premium, Grip-Rite ShingleLayment®-15 Pro, Grip-Rite ShingleLayment®-15 LWE, Grip-Rite ShingleLayment®-15 GRE and Resistor 48 synthetic roofing underlayment is identified by a label bearing the following information: company name (PrimeSource Building Products, Inc., or Resisto, A Division of Soprema, Inc.), product name, production date and lot number.
- 7.3 The report holder's contact information is the following:
PRIMESOURCE BUILDING PRODUCTS, INC.
333 MANLEY STREET
WEST BRIDGEWATER, MASSACHUSETTS 02379
(508) 436-6100
www.primesourcebp.com
barregop@primesourcebp.com
- 7.4 The additional listee's contact information is the following:
RESISTO, A DIVISION OF SOPREMA CANADA, INC.
800 SAINT-VALLIER OUEST
QUEBEC CITY, QUEBEC G1N 1C9
CANADA
(417) 681-8127
www.resisto.us
info@resisto.ca

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DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION

Section: 07 30 05—Roofing Felt and Underlayment

REPORT HOLDER:

PRIMESOURCE BUILDING PRODUCTS, INC.

EVALUATION SUBJECT:

GRIP-RITE SHINGLELAYMENT® SYNTHETIC ROOFING UNDERLAYMENTS AND RESISTOR 48 SYNTHETIC ROOFING UNDERLAYMENT

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that the Grip-Rite Shinglelayment® Synthetic Roofing Underlayments and Resistor 48 Synthetic Roofing Underlayment, described in ICC-ES evaluation report ESR-2945, have also been evaluated for compliance with the code(s) noted below.

Applicable code edition(s):

- 2022 California Building Code (CBC)

For evaluation of applicable Chapters adopted by the California Office of Statewide Health Planning and Development (OSHPD) AKA: California Department of Health Care Access and Information (HCAI) and the Division of State Architect (DSA), see Sections 2.1.1 and 2.1.2 below.

- 2022 California Residential Code (CRC)

2.0 CONCLUSIONS

2.1 CBC:

The Grip-Rite Shinglelayment® Synthetic Roofing Underlayments and Resistor 48 Synthetic Roofing Underlayment, described in Sections 2.0 through 7.0 of the evaluation report ESR-2945, comply with CBC Chapter 15, provided the design and installation are in accordance with the 2021 *International Building Code*® (IBC) provisions noted in the evaluation report and the additional requirements of CBC Chapter 15, as applicable.

2.1.1 OSHPD:

The applicable OSHPD Sections and Chapters of the CBC are beyond the scope of this supplement.

2.1.2 DSA:

The applicable DSA Sections and Chapters of the CBC are beyond the scope of this supplement.

2.2 CRC:

The Grip-Rite Shinglelayment® Synthetic Roofing Underlayments and Resistor 48 Synthetic Roofing Underlayment, described in Sections 2.0 through 7.0 of the evaluation report ESR-2945, comply with CRC Section R905, provided the design and installation are in accordance with the 2021 *International Residential Code*® (IRC) provisions noted in the evaluation report and the additional requirements of CRC Section R905, as applicable.

This supplement expires concurrently with the evaluation report, reissued March 2025.