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Code Compliance Research Report CCRR-1038

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

REPORT HOLDER:
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ADDITIONAL LISTEE:
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REPORT SUBJECT:
Shingle Whale Shield, Superior, Prime, and
Platinum Synthetic Roofing Underlayments

ADDITIONAL LISTEE SUBJECT:
Tech Wrap Economy, 150 Composite, Ultimate,
and Supreme Synthetics Roofing Underlayments

1.0 SCOPE OF EVALUATION

This Research Report addresses compliance with the following Codes:

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

2.0 USES

Shingle Whale Shield, Superior, Prime, and Platinum synthetic roofing underlayments are used in the field of the roof as an alternative to ASTM D226, Type I and Type II, roof underlayment specified in Chapter 15 of the IBC and Chapter 9 of the IRC.

The roof underlayments are limited to buildings permitted to have non-classified roofing in accordance with IBC Section 1505.5.

The underlayments have been evaluated for the following properties:

PROPERTY	IBC SECTION ¹	IRC SECTION ¹
Physical Properties	104.11, 1506 and 1507	R104.11, R904 and R905

¹Referenced sections apply to 2015, 2012 and 2009 IBC and IRC

3.0 DESCRIPTION

Shingle Whale Shield synthetic roofing underlayment consists of three layers: woven scrim, bottom lamination, and surface lamination. The overall weight of the product is 20 pounds per roll. The product is available in the color black. The standard roll size is 48 in. wide by 250 ft. long.

Shingle Whale Superior synthetic roofing underlayment consists of four layers: grey non-woven scrim, woven scrim, bottom lamination, and surface lamination. The overall weight of the product is 23 pounds per roll. The standard roll size is 48 in. wide by 250 ft. long.

Shingle Whale Prime synthetic roofing underlayment consists of four layers: grey non-woven scrim, woven scrim, bottom lamination, and surface lamination. The overall weight of the product is 30 pounds per roll. The standard roll size is 48 in. wide by 250 ft. long.

Shingle Whale Platinum synthetic roofing underlayment consists of four layers: grey non-woven scrim, woven scrim, bottom lamination, and surface lamination. The overall weight of the product is 38 pounds per roll. The standard roll size is 48 in. wide by 250 ft. long.

Springlink Building Materials Inc. labels the underlayments described above for Robetex Inc. Shingle Whale Shield, Superior, Prime, and Platinum underlayments are labelled as Tech Wrap Economy, 150 Composite, Ultimate, and Supreme underlayments respectively.

4.0 INSTALLATION

4.1 General:

Installation of the underlayments must comply with the applicable Code, this report, and the report holder's published installation instructions.

The underlayment must be installed in accordance with the subsections of IBC Section 1507 and IRC Section R905 applicable to the roof covering being installed. The underlayment must be laid with the print side up, with laps as required by the applicable Code, evaluation report, or manufacturer's instructions, whichever is more restrictive.

The roof covering may be installed immediately following the underlayment application and the underlayments must be covered within the time designated in the report holder's published installation instructions.

4.2 Ice Barrier:

The roofing underlayments have not been evaluated for use as an ice barrier. In areas of the roof required by IBC Section 1507 or IRC Section R905 to have an ice barrier, a self-adhering polymer modified bitumen sheet complying with ASTM D1970, or two layers of code-complying underlayment solidly cemented together, must be used such that the ice barrier extends up the roof a minimum distance of 24 in. inside the interior wall line of the building. The underlayment installed in the field of the roof must overlap the ice barrier.

5.0 CONDITIONS OF USE

The synthetic roof underlayments described in this Research Report comply with, or are suitable alternatives to, what is specified in those Codes listed in Sections 1.0 and 2.0 of this report, subject to the following conditions:

5.1 Installation must comply with this Research Report, the manufacturer's published installation instructions, and the applicable Code. In the event of a conflict between the manufacturer's instructions and this report, this report governs.

5.2 Installation is limited to use with approved mechanically attached roof covering systems.

5.3 Installation is limited to roof systems that do not involve hot asphalt or coal-tar pitch.

5.4 Installation is limited to roofs with slope of 2:12 (17%) or greater.

5.5 Attic ventilation must be provided in accordance with the applicable Code since there are no requirements to evaluate vapor permeability of the underlayment.

5.6 In areas of the roof required by IBC Section 1507 or IRC Section R905 to have an ice barrier, an ice barrier must be provided as described in Section 4.2.

5.7 The underlayments are limited to buildings permitted to have non-classified roofing in accordance with IBC Section 1505.5, unless the underlayment is specifically recognized as a component of a classified roofing assembly in a listing approved by the Code official.

5.8 The underlayments are manufactured under a quality control program with inspections by Intertek Testing Services NA Inc. (AA-647).

6.0 SUPPORTING EVIDENCE

6.1 Data in accordance with ICC-ES Acceptance Criteria for Roof Underlayments (AC188), dated February 2012 (editorially revised December 2015).

6.2 Intertek Listing Report "[Springlink Building Materials, Inc.-Synthetic Roofing Underlayments](#)" (Shingle Whale Shield, Superior, Prime, and Platinum).

6.3 Intertek Listing Report "[Robetex Inc.-Synthetic Roofing Underlayments](#)" (Tech Wrap Economy, 150 Composite, Ultimate, and Supreme).

7.0 IDENTIFICATION

The Shingle Whale synthetic roofing underlayments are imprinted with the product name (Shield, Superior, Prime, and Platinum), the company name (Springlink Building Materials, Inc.), the Intertek Mark, and the Code Compliance Research Report number (CCRR-1038). Each roll of the product is also labeled with installation instructions, roll dimensions, and weight.

The Tech Wrap roofing underlayments are imprinted with the product name (Economy, 150 Composite, Ultimate, and Supreme), the company name (Robetex Inc.), the Intertek Mark, and the Code Compliance Research Report number (CCRR-1038). Each roll of the product is also labeled with installation instructions, roll dimensions and weight.

8.0 OTHER CODES

This section is not applicable.

9.0 CODE COMPLIANCE RESEARCH REPORT USE

9.1 Approval of building products and/or materials can only be granted by a building official having legal authority in the specific jurisdiction where approval is sought.

9.2 Code Compliance Research Reports shall not be used in any manner that implies an endorsement of the product by Intertek.

9.3 Reference to the <https://bpdirectory.intertek.com> is recommended to ascertain the current version and status of this report.

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