

Issue Date: 10-01-2014
Revision Date: 12-05-2018
Renewal Date: 01-01-2020

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

REPORT HOLDER:
Owens Corning Roofing and Asphalt LLC
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REPORT SUBJECT:
RhinoRoof RSA Roofing Underlayment

1.0 SCOPE OF EVALUATION

This Research Report addresses compliance with the following Codes:

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

2.0 USES

RhinoRoof RSA roofing underlayment is used where an ice barrier is required under IBC Section 1507 and IRC Section R905.

The underlayment may be used as a component of a classified assembly when installed as described in this report.

The underlayment has been evaluated for the following properties:

PROPERTY	IBC SECTION ¹	IRC SECTION ¹
Physical Properties	1506 and 1507	R904 and R905
Fire Classification	1505	R902.1
Ice Barrier	1507	R905

¹Referenced sections apply to the 2018 IBC and IRC

3.0 DESCRIPTION

RhinoRoof RSA roofing underlayment is a self-adhered synthetic underlayment comprised of a synthetic facer and modified bitumen. The reverse side is surfaced with a release film that is removed during application, exposing the membrane to the roof deck. The weight of the underlayment is 21 pounds per 100 square feet and it is available in rolls 36 inches wide by minimum 67 feet long.

4.0 INSTALLATION

4.1 General:

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

The roof deck must be in proper condition to ensure adhesion. Installation is limited to solid-sheathed decks of plywood or oriented strand board (OSB) substrates. The membrane is self-adhered to the substrate after the backing is removed. The membrane is applied from the lower edge of the roof, extending up the roof a distance of 24 inches inside the exterior wall line of the building. The membrane must be lapped a minimum of 3 inches on horizontal seams and 4 inches on vertical seams. Flashings around protrusions must be installed under the underlayment.

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

4.2 Fire Classification:

RhinoRoof RSA roofing underlayment may be used as a component of a classified roof assembly when specifically recognized as such in a listing approved by the Code official. The underlayment may also be used as an alternative to the underlayments specified in the Code for roof coverings permitted under the Exceptions to IBC Section 1505.2 and IRC Section R902.1, and may be used where non-classified roofing is permitted in IBC Section 1505.5.



5.0 CONDITIONS OF USE

The RhinoRoof RSA roofing underlayment described in this report complies with, or is a suitable alternative 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 Research Report, the manufacturer’s published installation instructions, and the applicable Code. The provisions of this report take precedence over the provisions in the report holder’s installation instructions.
- 5.2 Installation is limited to use with approved mechanically attached roof covering systems.
- 5.3 Installation is limited to roofing systems that do not involve hot asphalt or coal-tar pitch.
- 5.4 Installation is limited to use in areas of the roof where an ice barrier is required.
- 5.5 The underlayment is 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 ASTM D1970.
- 6.2 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 December 2015).

6.3 Intertek Listing Report "[OC – RhinoRoof Roofing Underlayments](#)".

7.0 IDENTIFICATION

The RhinoRoof RSA roofing underlayment is marked at 48 inch intervals with the product name. Each roll of the product is labeled with the report holder’s name (Owens Corning Roofing and Asphalt LLC), the product name, the manufacturing date code, the Intertek mark, and the Code Compliance Research Report number (CCRR-1017).

8.0 OTHER CODES

This section is not applicable.

9.0 CODE COMPLIANCE RESEARCH REPORT USE

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