

DIVISION: 07 00 00 – THERMAL AND MOISTURE PROTECTION

Section: 07 30 05 – Roofing Felt and Underlayment

REPORT HOLDER:

Alpha Protech Engineered Products, Inc.
301 South Blanchard Street,
Valdosta, GA 31601
USA
www.alphaprotech.com

REPORT SUBJECT:

Rex Ultra HT Self-Adhered Roofing Underlayment

1.0 SCOPE OF EVALUATION

1.1 This Research Report addresses compliance with the following Codes:

- 2021, 2018, and 2015 *International Building Code*® (IBC)
- 2021, 2018, and 2015 *International Residential Code*® (IRC)
- 2023 *Florida Building Code* (FBC) (see Section 8.1)

1.2 The underlayment has been evaluated for the following properties (see Table 1):

- Physical Properties
- Fire Classification
- Ice Barrier

1.3 The underlayment has been evaluated for the following uses (see Table 1):

- Use in the field of the roof as an alternative to ASTM D226, Type I and Type II, roof underlayments specified in Chapter 15 of the IBC, and Chapter 9 of the IRC
- Use in areas of the roof required by IBC Section 1507 or IRC Section R905 to have ice barrier roof underlayment, when installed as noted in Section 4.3
- Rex Ultra HT Self-Adhered Roofing Underlayment may be used as component of classified assemblies when installed as described in this report

2.0 STATEMENT OF COMPLIANCE

Rex Ultra HT Self-Adhered Roofing Underlayment complies with the Codes listed in Section 1.1, for the properties stated in Section 1.2, and uses stated in Section 1.3, when installed as described in this report, including the Conditions of Use stated in Section 5.0.

3.0 DESCRIPTION

Rex Ultra HT underlayment is a 3-layered self-adhered underlayment comprised of a non-woven polypropylene fabric, modified bitumen as the adhesive layer, and a silicone release film. The nominal weight of the underlayment is 24.58 pounds per 100 square feet. The underlayment is available in rolls of 3 ft. wide by 67 ft. long and in grey and white colors.

4.0 INSTALLATION

4.1 General: Rex Ultra HT Self-Adhered Roofing Underlayment must be installed in accordance with the manufacturer's published installation instructions, the applicable Code, and this Research Report. A copy of the manufacturer's instructions must be available on the jobsite during installation.

4.2 Fire Classification: Rex Ultra HT Self-Adhered 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.

4.3 Application: The roof deck must be in proper condition to ensure adhesion. Installation is limited to solid-sheathed decks to plywood substrates. The membrane is self-adhered to the substrate after the release liner 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 6 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 with the time designated in the report holder's published installation instructions.

5.0 CONDITIONS OF USE

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, 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 underlayments.

5.6 Rex Ultra HT Self-Adhered Roofing Underlayment is manufactured under a quality control program with inspections by Intertek Testing Services NA, Inc.

6.0 SUPPORTING EVIDENCE

6.1 Reports of tests in accordance with ASTM D1970 and ASTM E108.

6.2 Intertek Listing Report "Rex Ultra HT Self-Adhered Roofing Underlayment", on the [Intertek Directory of Building Products](#).

7.0 IDENTIFICATION

The Rex Ultra HT Self-Adhered Roofing Underlayment is identified with the manufacturer's name, address, the product name, the Intertek Mark as shown below, the Intertek Control Number and the Code Compliance Research Report number (CCRR-0533).



8.0 OTHER CODES

8.1 Florida Building Code: The Rex Ultra HT Self-Adhered Roofing Underlayment was evaluated for compliance with the 2023 *Florida Building Code – Building* and 2023 *Florida Building Code – Residential*.

8.2 Conclusion: The Rex Ultra HT Self-Adhered Roofing Underlayment described in Sections 2.0 through 7.0 of this Research Report, complies with the 2023 *Florida Building Code – Building* and 2023 *Florida Building Code – Residential* including High-Velocity Hurricane Zones (HVHZ), subject to the following conditions:

- The underlayment must be installed in accordance with the provisions noted in Section 2.0 through 7.0 of this report, Sections 1507 and 1518 of the *Florida Building Code – Building*, and Section R905 of the *Florida Building Code – Residential*
- The underlayment may be used where underlayments complying with ASTM D1970 are permitted in TAS 110, as referenced in *Florida Building Code – Building* Section 1515.1.4
- Intertek is an approved evaluation entity and quality assurance entity pursuant to Florida Statute 553.842 – *Product Evaluation and Approval*

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.

TABLE 1 - PROPERTIES EVALUATED

PROPERTY	2021 IBC SECTION ¹	2021 IRC SECTION ¹	2023 FBC SECTION (BUILDING)	2023 FBC SECTION (RESIDENTIAL)
Physical Properties	1506 and 1507	R904 and R905	1506 1507.1.1 1515.1.4 1518	R904 R905.1.1
Ice Barrier	1507	R905	N/A	N/A
Fire Classification	1505	R902.1	1505	R902

¹Section numbers may be different for earlier versions of the International Codes

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545 E. Algonquin Road • Arlington Heights • Illinois • 60005
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