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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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Canada  
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**REPORT SUBJECT:**  
Umbra Synthetic Roofing Underlayment

**ADDITIONAL LISTEE:**  
Building Products of Canada  
9500 St. Patrick Street  
LaSalle, Quebec H8R 1R9  
Canada  
[www.bpcan.com](http://www.bpcan.com)

**ADDITIONAL LISTEE SUBJECT:**  
BP ProDeck Synthetic Roofing Underlayment

**ADDITIONAL LISTEE:**  
GAP Roofing Inc.  
4444 Hunt Street  
Pryor, OK 74361  
[www.gaproofing.us](http://www.gaproofing.us)

**ADDITIONAL LISTEE SUBJECT:**  
GAP Guard Synthetic Roofing Underlayment

**ADDITIONAL LISTEE:**  
Kratos Building Products  
12901 Nicholson Road, Suite 330  
Farmers Branch, TX 75234  
[www.kratosbp.com](http://www.kratosbp.com)

**ADDITIONAL LISTEE SUBJECT:**  
Kratos Synthetic Roofing Underlayment

### 1.0 SCOPE OF EVALUATION

**1.1** 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)

NOTE: This report references the 2018 Code sections

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

- Physical properties
- Fire classification

**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 the 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 an ice barrier roof underlayment, when installed as noted in Section 5.2.
- Use as a component of classified assemblies when installed as noted in Section 4.1.

### 2.0 STATEMENT OF COMPLIANCE

Umbra Synthetic 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 6.

### 3.0 DESCRIPTION

**3.1 Umbra Synthetic Roofing Underlayment:** Umbra is a four-layered roofing underlayment consisting of a non-woven polypropylene scrim laminated to a woven polypropylene scrim with polymeric coating on both



sides. The underlayment has a nominal weight of 2.1 pounds per 100 square feet. The underlayment roll size varies.

Umbra is also labeled as BP ProDeck Synthetic Roofing Underlayment, GAP Guard Synthetic Roofing Underlayment, and Kratos Synthetic Roofing Underlayment.

#### 4.0 PERFORMANCE CHARACTERISTICS

**4.1 Fire Classification:** The roof 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 underlayment 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 INSTALLATION

**5.1 General:** Umbra Synthetic 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.

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 underlayment must be covered within the time designated in the report holder's published installation instructions.

**5.2 Ice Barrier:** In areas of the roof required by IBC Section 1507 or IRC Section R905 to have an ice barrier, two layers of the underlayment, solidly cemented together with a low solvent-based roofing cement complying with ASTM D4586 Type 1 (asbestos free), may

be used provided the ice barrier extends up the roof a minimum distance of 24 inches inside the interior wall line of the building. The underlayment installed in the field of the roof must overlap the ice barrier.

#### 6.0 CONDITIONS OF USE

**6.1** 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.

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

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

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

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

**6.6** Umbra Synthetic Roofing Underlayment is manufactured under a quality control program with inspections by Intertek Testing Services NA, Inc. (AA-647).

#### 7.0 SUPPORTING EVIDENCE

**7.1** Reports of tests in accordance with ASTM E108.

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

**7.3** Intertek Listing Report "Intertape Umbra Synthetic Roofing Underlayment", on the [Intertek Directory of Building Products](#).

**7.4** Intertek Listing Report "Building Products of Canada – BP ProDeck Synthetic Roofing Underlayment" on the [Intertek Directory of Building Products](#).

**7.5** Intertek Listing Report "G.A.P – Guard Synthetic Roofing Underlayment", on the [Intertek Directory of Building Products](#).





7.6 Intertek Listing Report “Kratos Synthetic Roofing Underlayment” on the [Intertek Directory of Building Products](#).

**8.0 IDENTIFICATION**

The underlayments are identified with the manufacturer’s name, address and telephone number, the product name, the Intertek Mark as shown below, and the Code Compliance Research Report number (CCRR-1105).



**9.0 OTHER CODES**

This section is not applicable.

**10.0 CODE COMPLIANCE RESEARCH REPORT USE**

**10.1** 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.

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

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

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TABLE 1 - PROPERTIES EVALUATED

PROPERTY	IBC SECTION <sup>1</sup>	IRC SECTION <sup>1</sup>
Physical Properties	104.11, 1506 and 1507	R104.11, R904 and R905
Ice Barrier	1507	R905
Fire Classification	1505	R902.1

<sup>1</sup> Referenced sections apply to the 2018 IBC and IRC

