4.0 INSTALLATION

4.1 General:
Installation of the RoofTopGuard II High-Performance Roofing Underlayment must comply with the report holder’s published installation instructions, this report and the applicable code. The installation instructions must be available on the jobsite 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.

The underlayment is laid horizontally (parallel to the eave) with the printed side up, and with 4-inch (102 mm) horizontal laps and 6-inch (152 mm) vertical laps. Overlaps must run with the flow of water in shingle fashion. The underlayment is attached to the roof deck using either No. 12 gage [0.109-inch shank diameter (2.77 mm)] corrosion-resistant steel or stainless steel roofing nails having minimum 3/8-inch-diameter (9.5 mm) heads with 1-inch-diameter (25.4 mm) plastic or steel caps spaced 4 3/4 inches (121 mm) on center at vertical laps, at 12 inches (305 mm) on center horizontally at edges and in the field, and at 14 1/2 inches (362 mm) on center vertically in the field, except in areas subject to high winds where underlayment fastening must comply with the high wind attachment requirements specified in 2018 IBC Section 1507.1.1, 2018 and 2015 IRC Section R905.1.1; 2015, 2012, 2009 and 2006 IBC Section 1507; or 2012, 2009 and 2006 IRC Section R905, as applicable. Fasteners must be long enough to penetrate into the sheathing a minimum of 3/4 inch (19.1 mm) or through the sheathing, whichever is less.

Installation of the roof covering can proceed immediately following the underlayment application. The underlayment must be covered by an approved roof covering within the time set forth in the report holder’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 Ice Barrier:
In areas of the roof required to have an ice barrier under the IBC or IRC, or severe climate underlayment under the UBC, a self-adhering polymer modified bitumen sheet complying with ASTM D1970, or an ice barrier recognized in an ICC-ES evaluation report, is applied over the solid substrate in sufficient courses that the underlayment extends up the roof a distance of 24 inches...
(610 mm) inside the exterior wall line of the building. The RoofTopGuard II High-Performance Roofing Underlayment, in the field of the roof, must overlap the ice barrier.

4.3 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 eaves and over the underlayment at rakes. Drip edges must be mechanically fastened at a maximum of 12 inches (305 mm) on center.

5.0 CONDITIONS OF USE
The RoofTopGuard II High-Performance 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 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 use on structures located in areas where nonclassified roof coverings are permitted or as a component of a classified roofing assembly when specifically recognized as such in a listing approved by the code official.

5.3 Installation is limited to roofs with a minimum slope of 2:12 (16.67 percent) or greater.

5.4 Installation is limited to use with roof coverings that do not involve hot asphalt or coal-tar pitch.

5.5 Installation is limited to roofs with ventilated attic spaces in accordance with the requirements of the applicable code.

5.6 Installation is limited to use with roof coverings that are mechanically fastened through the underlayment to the sheathing or rafters.

5.7 The RoofTopGuard II High-Performance Roofing Underlayment is manufactured in Ulasoori, Finland, under a quality control program with inspections by ICC-ES.

6.0 EVIDENCE SUBMITTED
Data in accordance with the ICC-ES Acceptance Criteria for Roof Underlaminents (AC188), dated February 2012 (editorially revised May 2018).

7.0 IDENTIFICATION
7.1 The packaging of each roll of roofing underlayment is labeled with the report holder’s name (RKW Finland Ltd.) and address, the product name, and the evaluation report number (ESR-2928). The top side of the underlayment is marked at regular intervals with the product name, the manufacturing date and the batch number.

7.2 The report holder’s contact information is the following:
RKW FINLAND LTD.
ULASOORINTIE 185
BOX 22
PORI 28601
FINLAND
(011) 358 400 378 956
www.rkwfinland.com
timo.peltoniemi@rkw-group.com

8.0 OTHER CODES
8.1 Evaluation Scope:

In addition to the codes referenced in Section 1.0, the product covered in this report was evaluated for compliance with the requirements of the 1997 Uniform Building Code™ (UBC).

8.2 Uses:

RoofTopGuard II High-Performance Roofing Underlayment is intended for use as an alternative to the Type 15 or Type 30 asphalt-saturated-felt roofing underlayments specified in Chapter 15 of the UBC.

8.3 Description:

See Section 3.0.

8.4 Installation:

See Section 4.0.

8.5 Conditions of Use:

See Section 5.0, except revise Section 5.2 to say that installation is limited to use on structures located in areas where nonrated roof coverings are permitted. Where rated roof coverings are required, substantiating data must be provided to the code official for approval.

8.6 Evidence Submitted:

See Section 6.0.

8.7 Identification:

See Section 7.0.
DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION  
Section: 07 30 05—Roofing Felt and Underlayment

REPORT HOLDER:  
RKW FINLAND LTD.

EVALUATION SUBJECT:  
ROOFTOPGUARD II HIGH-PERFORMANCE ROOFING UNDERLAYMENT

1.0 REPORT PURPOSE AND SCOPE  
Purpose:  
The purpose of this evaluation report supplement is to indicate that RoofTopGuard II high-performance roofing underlayment, recognized in ICC-ES evaluation report ESR-2928, has also been evaluated for compliance with the code(s) noted below.

Applicable code edition(s):  
- 2019 California Building Code® (CBC)  
- 2019 California Residential Code® (CRC)

2.0 CONCLUSIONS  
2.1 CBC:  
The RoofTopGuard II high-performance roofing underlayment, described in Sections 2.0 through 7.0 of the evaluation report ESR-2928, complies with CBC Chapter 15, provided the design and installation are in accordance with the 2018 International Building Code® (IBC) provisions noted in the evaluation report and the additional requirements of CBC Chapter 15, as applicable.

The product has not been evaluated under Chapter 7A for use in the exterior design and construction of new buildings located in a Fire Hazard Severity Zone within State Responsibility Areas or any Wildland–Urban Interface Fire Area.

2.1.1 OSHPD:  
The applicable OSHPD Sections of the CBC are beyond the scope of this supplement.

2.1.2 DSA:  
The applicable DSA Sections of the CBC are beyond the scope of this supplement.

2.2 CRC:  
The RoofTopGuard II high-performance roofing underlayment, described in Sections 2.0 through 7.0 of the evaluation report ESR-2928, complies with CRC Chapter 9, provided the design and installation are in accordance with the 2018 International Residential Code® (IRC) provisions noted in the evaluation report.

The product has not been evaluated under CRC Section R337 for use in the exterior design and construction of new buildings located in a Fire Hazard Severity Zone within State Responsibility Areas or any Wildland–Urban Interface Fire Area.

The products recognized in this supplement have not been evaluated for compliance with the International Wildland–Urban Interface Code®.

This supplement expires concurrently with the evaluation report, reissued May 2020.