

ICC-ES Evaluation Report**ESR-2185**

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DIVISION: 07—THERMAL AND MOISTURE PROTECTION
Section: 07305—Roofing Felt and Underlayment**REPORT HOLDER:****INTERTAPE POLYMER CORP.**
50 ABBEY AVENUE
TRURO, NOVA SCOTIA B2N 6W4
CANADA
(902) 895-1686
www.intertapepolymer.com
sisenor@ecpinfo.com**EVALUATION SUBJECT:****NOVA SEAL ONE AND NOVA SEAL GENERATION II
ROOFING UNDERLAYMENTS****ADDITIONAL LISTEES (NOVA SEAL GENERATION II):****PERMA "R" PRODUCTS, INC.**
POST OFFICE BOX 279
GRENADA, MISSISSIPPI 38902
(662) 226-8075
www.permaproducts.com
PRODUCT NAME: PERMAFELT**PAISLEY PRODUCTS OF CANADA INCORPORATED**
40 UPTON ROAD
TORONTO, ONTARIO M1L 2B8
CANADA
(416) 751-3700
www.paisleypro.com
PRODUCT NAME: XMARK**DIMENSIONAL METALS, INC.**
58 KLEMA DRIVE NORTH
REYNOLDSBURG, OHIO 43068
www.dmimetals.com
PRODUCT NAME: NOVA-SEAL II**INTERNATIONAL BUILDING COMPONENTS, INC.**
21428 WOODS CREEK ROAD
MONROE, WASHINGTON 98272
www.waterblocksystems.com
PRODUCT NAME: WATERBLOCK RU-200**IKO INDUSTRIES, LTD.**
71 ORENDA ROAD
BRAMPTON, ONTARIO L6W 1V8
CANADA
www.iko.com
PRODUCT NAME: ROOFGARD-SB**ENGLERT, INC.**
1200 AMBOY AVENUE
PERTH AMBOY, NEW JERSEY 08861
www.englertinc.com
PRODUCT NAME: NOVA-SEAL II**1.0 EVALUATION SCOPE****Compliance with the following codes:**

- 2006 *International Building Code*® (IBC)
- 2006 *International Residential Code*® (IRC)
- Other Codes (See Section 8.0)

Properties evaluated:

- Physical properties
- Fire classification

2.0 USES™

Nova Seal One Roofing Underlayment and Nova Seal Generation II Roofing Underlayment are synthetic roofing underlayments intended for use as alternatives to the ASTM D 226, Type I and Type II, roofing underlayment specified in Chapter 15 of the IBC and Chapter 9 of the IRC. Nova Seal Generation II Roofing Underlayment is also used as a component of classified roofing assemblies as described in Section 4.2 when installed as described in this report.

3.0 DESCRIPTION**3.1 Nova Seal One Roofing Underlayment:**

Nova Seal One Roofing Underlayment is a roofing underlayment comprised of a woven polypropylene core coated on both sides with a polymer coating. The underlayment has a nominal weight of 2.5 pounds per 100 square feet (0.11 kg/m²) and is produced in roll sizes up to 144 inches (3658 mm) wide and 4500 feet (1372 m) long.

3.2 Nova Seal Generation II Roofing Underlayment:

Nova Seal Generation II Roofing Underlayment is a roofing underlayment comprised of a woven polypropylene core coated on both sides with a polymer coating. The underlayment has a nominal weight of 3.0 pounds per 100 square feet (0.14 kg/m²) and is produced in roll sizes up to 144 inches (3658 mm) wide and 4500 feet (1372 m) long. The underlayment is sold under the product names Xmark, PermaFelt, Nova-Seal II, WaterBlock RU-200 and RoofGard-SB.

4.0 INSTALLATION

4.1 General: Installation must comply with the requirements of the applicable code, this report and the manufacturer's published installation instructions. The installation instructions are to be available at the jobsite during the installation.

In areas of the roof required to have an ice barrier under Chapter 15 of the IBC or Chapter 9 of the IRC, a self-adhering polymer bitumen sheet, complying with ASTM D 1970 or the ICC-ES Acceptance Criteria for Severe Climate Underlayments, must be applied. The underlayment is to be applied over the solid substrate in sufficient courses so that the underlayment extends up the roof a distance equal to the distance inside the exterior wall line of the building that is specified by the applicable code. The underlayment, applied in the field of the roof, must completely overlap the ice barrier protection a minimum of 2 inches (51 mm).

Installation of the roof covering can proceed immediately following the underlayment application. The underlayment must be covered by a roof covering within the time set forth in the manufacturer'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 Roof Classification:

The Nova Seal Generation II Roofing Underlayment, described in this report, may be used as an alternate to the underlayment specified in the applicable code for roof coverings of brick, masonry, slate, clay or concrete roof tile, exposed concrete roof deck, ferrous or copper shingles or sheets, and metal sheets and shingles. The noted roof coverings may be used as indicated in the exceptions to IBC Sections 1505.2 and 1505.3 or IRC Section R902.1, wherever a Class A, B, or C roof covering assembly is required.

5.0 CONDITIONS OF USE

The Nova Seal One and Nova Seal Generation II roofing underlayments described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

- 5.1 The installation complies with the applicable code, this report and the manufacturer's published installation instructions. In the event of a conflict between the manufacturer's published installation instructions and this report, this report governs.
- 5.2 Installation is limited to roofs with a minimum slope of 2:12 (16.67 percent slope) or greater.
- 5.3 Installation is limited to use with roof coverings that do not involve hot asphalt or coal-tar pitch.
- 5.4 Installation is limited to use with approved roof coverings that are mechanically fastened through the underlayment to the sheathing or rafters.
- 5.5 Installation is limited to roofs with ventilated attic spaces in accordance with the requirements of the applicable code.
- 5.6 The products are manufactured for Intertape Polymer Group, in Truro, Nova Scotia, under a quality control program with inspections by Intertek Testing Services NA Inc. (AA-691).

6.0 EVIDENCE SUBMITTED

- 6.1 Data in accordance with the ICC-ES Acceptance Criteria for Roof Underlayments (AC188), dated July 2007.
- 6.2 Report of Class A testing in accordance with ASTM E 108.

7.0 IDENTIFICATION

Each roll of underlayment is marked with the Intertape Polymer Corp. name or the name of one of the listees noted at the beginning of this report, the product name, the manufacturing date code, the evaluation report number (ESR-2185) and the name of the inspection agency (Intertek Testing Services NA Inc.).

8.0 OTHER CODES

8.1 Evaluation Scope:

In addition to the codes listed in Section 1.0, the products described in this report were evaluated for compliance with the requirements of the 1997 *Uniform Building Code*™ (UBC).

8.2 Uses:

The roofing underlayments described in this report are intended for use as alternatives to the Type 15 or Type 30 asphalt-saturated felt underlayment specified in Chapter 15 of the UBC. The Nova Seal Generation II Roofing Underlayment is also used as a component of classified roofing assemblies as described in Section 4.2 when installed as described in this report.

8.3 Description:

See Section 3.0.

8.4 Installation:

8.4.1 General: In areas of the roof required to have a severe climate underlayment under the UBC, a self-adhering polymer bitumen sheet, complying with ASTM D 1970 or the ICC-ES Acceptance Criteria for Severe Climate Underlayments (AC48), must be applied. The underlayment is to be applied over the solid substrate in sufficient courses so that the underlayment extends up the roof a distance equal to the distance inside the exterior wall line of the building that is specified by the applicable code. The underlayment, applied in the field of the roof, must completely overlap the severe climate underlayment protection a minimum of 2 inches (51 mm).

See Section 4.1 for the balance of requirements.

8.4.2 Roof Classification: The Nova Seal Generation II Roofing Underlayment may be used as an alternate to the underlayment specified in the applicable code for roof coverings of brick, masonry, slate, clay or concrete roof tile, exposed concrete roof deck, ferrous or copper shingles or sheets, and metal sheets and shingles. The noted roof coverings may be used wherever a Class A, B, or C roof covering assembly is required, or where a noncombustible roof covering, as specified in UBC Section 1504.2, is installed in lieu of a classified fire-retardant roof assembly.

8.5 Conditions of Use:

The Nova Seal One and Nova Seal Generation II roofing underlayments described in this report comply with, or are suitable alternatives to what is specified in, the UBC, subject to the conditions noted in Sections 5.1 through 5.6.

8.6 Evidence Submitted:

8.6.1 See Section 6.1.

8.6.2 Report of Class A testing in accordance with UBC Standard 15-2.

8.7 Identification:

See Section 7.0.