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DIVISION: 07—THERMAL AND MOISTURE PROTECTION Section: 07305—Roofing Felt and Underlayment

REPORT HOLDER:

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ADDITIONAL LISTEE:

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EVALUATION SUBJECT:

PRIVATE LABEL I UDL™ ROOFING UNDERLAYMENT,
 TITANIUM™ UDL 25 (PRIVATE LABEL II) ROOFING
 UNDERLAYMENT, TITANIUM™ UDL TT (PRIVATE
 LABEL III) ROOFING UNDERLAYMENT AND TITANIUM™
 UDL TF (PRIVATE LABEL IV) ROOFING
 UNDERLAYMENT

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2006 *International Building Code*® (IBC)
- 2006 *International Residential Code*® (IRC)
- Other Code (See Section 80.)

Properties evaluated:

- Physical properties
- Water resistance
- Fire classification
- Ice barrier

2.0 USES

Private Label I UDL™, Titanium™ UDL 25 (Private Label II), Titanium™ UDL TT (Private Label III) and Titanium™ UDL TF (Private Label IV) roofing underlayments are synthetic roofing underlayments intended for use as alternatives to the ASTM D 226, Type I and Type II, roofing underlayments specified in Chapter 15 of the IBC and Chapter 9 of the IRC. The underlayments may be used as components of classified roof assemblies when installed

as described in this report. The underlayments may also be used as alternatives to the ice dam membrane specified in IBC Chapter 15 or the ice barrier specified in IRC Chapter 9.

3.0 DESCRIPTION

3.1 Private Label I UDL™ Underlayment:

Private Label I UDL™ roofing underlayment is a synthetic sheet-type underlayment comprised of a woven core coated on one side with a polymer coating. The underlayment has a nominal overall weight of 3.4 pounds per 100 square feet (170 g/m²) and is produced in rolls of varying sizes.

3.2 Titanium™ UDL 25 (Private Label II) Underlayment:

Titanium™ UDL 25 (Private Label II) roofing underlayment is a synthetic sheet-type underlayment comprised of a woven core coated on one side with a polymer coating. The underlayment has a nominal overall weight of 2.9 pounds per 100 square feet (140 g/m²) and is produced in rolls of varying sizes.

3.3 Titanium™ UDL TT (Private Label III) Underlayment:

Titanium™ UDL TT (Private Label III) roofing underlayment is a synthetic sheet-type underlayment comprised of a woven core coated on one side with a polymer coating. The underlayment has a nominal overall weight of 2.9 pounds per 100 square feet (140 g/m²) and is produced in rolls of varying sizes. Titanium™ UDL TT (Private Label III) roofing underlayment is distributed by Covalence Specialty Coatings LLC as "Barricade Dry Step Roofing Underlayment."

3.4 Titanium™ UDL TF (Private Label IV) Underlayment:

Titanium™ UDL TF (Private Label IV) roofing underlayment is a synthetic sheet-type underlayment comprised of a woven core coated on both sides with a polymer coating. The underlayment has a nominal overall weight of 2.9 pounds per 100 square feet (140 g/m²) and is produced in rolls of varying sizes.

4.0 INSTALLATION

4.1 General:

Installation must comply with the applicable code, this report and the manufacturer's published installation instructions. In the event of conflict between the manufacturer's instructions and this report, this report governs. The installation instructions must be available at the jobsite during installation.

Prior to application of the underlayment, the deck surface must be dry and free of dust and dirt, loose nails, and other protrusions debris. Damaged sheathing must be replaced.

The underlayment is laid horizontally (parallel to the eave) starting at the lowest eave point, printed side up, with 4-inch (102 mm) horizontal (head) laps and 6-inch (152 mm) vertical (end) laps. Overlaps run with the flow of water in a shingling manner. The underlayment is attached to the roof deck as set forth in the manufacturer's published installation instructions, except in areas subject to basic (3-second gust) wind speeds in excess of 110 miles per hour (49 m/s), where the underlayment must be applied in accordance with IBC Section 1507.2.8.1 or IRC Section R905.2.7.2 for asphalt shingle roof coverings or IRC Section R905.3.3.3 for concrete and clay tile roof coverings, as applicable. When battens or counterbattens are installed over the underlayment, the underlayment need only be preliminarily attached pending attachment of the battens or counterbattens.

In areas of the roof required to have an ice dam barrier under Chapter 15 of the IBC or Chapter 9 of the IRC, the roofing underlayment is applied over the solid substrate in sufficient courses so that the underlayment extends up from the edge of eave to a point at least 24 inches (610 mm) inside the exterior wall line. The roofing underlayment, in the field of the roof, overlaps the ice barrier protection.

The minimum roof slope to which the underlayment is installed and the minimum number of layers of underlayment must comply with the applicable requirements set forth in IBC Chapter 15 or IRC Chapter 9, as applicable, based upon the type of roof covering being installed over the underlayment.

Installation of an approved roof covering can proceed immediately following application of the roofing underlayment. The underlayment must be covered by the roof covering within the time period set forth in the manufacturer's published installation instructions.

4.2 Reroofing:

For reroofing applications, the same procedures set forth in Section 4.1 apply after removal of the existing roof covering and roofing felts to expose the roof deck.

4.3 Fire Classification:

The roofing underlayment may be installed as a component of a roof assembly that requires a fire classification as set forth in Section 5.5.

5.0 CONDITIONS OF USE

The Private Label I UDL™, Titanium™ UDL 25 (Private Label II), Titanium™ UDL TT (Private Label III) and Titanium™ UDL TF (Private Label IV) 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 use with roof coverings that do not involve hot asphalt or coal-tar pitch.
- 5.3 Installation is limited to use with approved roof coverings that are mechanically fastened through the underlayment to the sheathing or rafters.
- 5.4 Installation is limited to roofs with ventilated attic spaces in accordance with the requirements of the applicable code.

- 5.5 The underlayment is recognized for use 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, metal sheets and shingles and non-fire-retardant-treated wood. The noted roof coverings are permitted to be used under the exceptions to IBC Section 1505.2, 1505.3 or and IRC Section R902.1, wherever a Class A, B or C roof covering assembly is required.

- 5.6 Installation is limited to roofs with a minimum slope of 2:12 (16.67 percent).

- 5.7 The product is manufactured in Mission, British Columbia, Canada, under a quality control program with inspections by Intertek Testing Services NA Ltd. (AA-688).

6.0 EVIDENCE SUBMITTED

- 6.1 Data in accordance with the ICC-ES Acceptance Criteria for Roof Underlayment for Use in Severe Climate Areas (AC48), dated October 2005 (editorially revised August 2007), including applicable sections of the ICC-ES Acceptance Criteria for Roof Underlayments (AC188), dated July 2007.

- 6.2 Report of testing in accordance with ASTM E 108.

7.0 IDENTIFICATION

Each roll of the Private Label I UDL™, Titanium™ UDL 25 (Private Label II), Titanium™ UDL TT (Private Label III) and Titanium™ UDL TF (Private Label IV) roofing underlayments described in this report is marked with the manufacturer's name (InterWrap Inc.), name of the product, the date code of manufacture, the evaluation report number (ESR-2391) and the name of the inspection agency (Intertek Testing Services NA Ltd.).

8.0 OTHER CODE

8.1 Evaluation Scope

The products in this report were also evaluated for compliance with the requirements of the 1997 Uniform Building Code™ (UBC).

8.2 Uses:

Private Label I UDL™, Titanium™ UDL 25 (Private Label II), Titanium™ UDL TT (Private Label III) and Titanium™ UDL TF (Private Label IV) roofing underlayments are synthetic roofing underlayments intended for use as alternatives to the Type 15 and Type 30 roofing underlayment specified in Chapter 15 of the UBC.

8.3 Description:

See Section 3.0.

8.4 Installation:

8.4.1 General: See Section 4.0, except for the following: The underlayment is fastened only as necessary to hold in place in areas subject to basic (fastest mile) wind speeds of 90 miles per hour (145 km/h) or less.

8.4.2 Reroofing: See Section 4.2.

8.4.3 Fire Classification: The roofing underlayment may be installed as a component of a roof assembly where a noncombustible roof covering as specified in UBC Section 1504.2 is required, as set forth in Condition of Use 8.5

8.5 Conditions of Use:

See Section 5.0, and the following:

- The membrane is limited to use on buildings of Type V-N construction.
- The underlayment is recognized for use 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, metal sheets and shingles. The noted roof coverings are permitted to be used under UBC Section 1504.2, wherever a Class A, B or C roof covering assembly is required.

8.6 Evidence Submitted:

See Section 6.0 and the following:

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

8.7 Identification:

See Section 7.0.