



PRI Evaluation Report

PRI ER 1378E06

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Report Holder:

The Home Depot c/o Owens Corning Roofing and Asphalt

1 Owens Corning Parkway

Toledo, OH 43659

(419) 248-7060

owenscorning.com

SCOPE

Subject: Underlayments

Products:

Everbilt Ice & Water Shield

Everbilt Synthetic Roofing Underlayment

CSI MasterFormat®:

DIVISION: 07 00 00 – THERMAL AND MOISTURE PROTECTION

Sub-level 2: 07 30 00 – Steep Slope Roofing

Code References:

- 2024 International Building Code® (IBC)
- 2024 International Residential Code® (IRC)

Properties Evaluated:

- Physical Properties (ASTM D1970)
- Physical Properties (ASTM D8257)
- External Fire Exposure (ASTM E108, ANSI/UL790)

Evidence Submitted:

- Recognized test report(s) indicating compliance with ASTM D1970
- Recognized test report(s) indicating compliance with ASTM D8257
- Recognized test report(s) indicating compliance with ASTM E108 and/or ANSI/UL790
- Quality Documentation
- Manufacturer's Drawings and Installation Instructions

Manufacturing Locations:

<u>Factory ID</u>	<u>Location</u>
Brentwood, NH	61 Pine Road Brentwood, NH 03833
Houston, TX	8360 Market Street Houston, TX 77029
Silvassa, India	Khanvel Rd., Dapada Dadra & Nagar Haveli-396230



PRODUCT DESCRIPTIONS and APPLICATIONS

Everbilt Ice & Water Shield is an ASTM D1970 self-adhered underlayment and, where required, may also be used as an ice barrier as specified in the following code:

- 2024 IBC Chapter 15
- 2024 IRC Chapter 9

Everbilt Synthetic Roofing Underlayment is a mechanically attached, roofing underlayment comprised of multiple layers including a woven reinforcement and polymer coating. The product has a gray and black color combination on the exposed side. It is recognized as an ASTM D8257 roof underlayment as specified in the following codes:

- 2024 IBC Chapter 15
- 2024 IRC Chapter 9

<u>Product Description :</u>	<u>Factory IDs:</u>	<u>Dimensions:</u>
Everbilt Ice & Water Shield ASTM D1970 self-adhered underlayment constructed of SBS modified asphalt, a fiberglass mat reinforcement, surfaced with granules with a split release backing. It is supplied in rolls with a nominal coverage area of 2 squares.	Brentwood, NH or Houston, TX	Length: 66.7 ft Width: 3 ft Thickness: 41 mils
Everbilt Synthetic Roofing Underlayment ASTM D8257 mechanically attached underlayment constructed of woven reinforcement and polymer coating with a grey / black walking surface.	Silvassa, India	Length: 286 ft Width: 42 in Weight: 2.21 lb/100ft ²

Fire Classification:

Underlayments covered under this report may be used as an accessory component in approved, fire classified roof covering systems. When installed directly on minimum ¹⁵/₃₂ inch thick exterior plywood decking (DOC PS-1) or minimum 1 inch thick wood plank, underlayments are part of a fire classified assembly in accordance with ASTM E108 and/or ANSI/UL 790 and qualify for use under the following code:

- 2024 IBC Section 1505.1
- 2024 IRC Section R902.1

Underlayments covered under this report may be used with the below allowable roof covers.

Underlayment Product:	Fire Classification – Allowable Roof Covers							
	Asphalt Shingles	Clay and Concrete Tile		Metal		Mineral-Surfaced Roll Roofing	Slate and Slate-Type Shingles	Wood Shingles and Shakes
		Mechanical Attachment	Adhesive-Set	Shingles	Panels			
Everbilt Ice & Water Shield	Class A	No	No	No	No	No	Class A	No
Everbilt Synthetic Roofing Underlayment	Class A	No	No	No	No	No	No	No



INSTALLATION (ASTM D1970 underlayment)

Self-adhered underlayments covered under this report must be installed in accordance with the applicable code, this report, and the manufacturer's published installation instructions, which must be available at all times on the jobsite during installation. The self-adhered underlayments are not the primary roof cover and as such are not intended to be left permanently exposed to direct weather. The self-adhered underlayments shall be limited to direct weather exposure as stated in the table below.

<u>Product</u>	<u>Maximum Exposure</u>
Everbilt Ice & Water	30 days

Roof slopes must be minimum 2:12 (16.67% slope or 9°). Prior to application, all self-adhered underlayments shall be unrolled and allowed to relax for 3-5 min. The self-adhered underlayment shall be installed with the release backer removed and the underlayment sheet pressed firmly into place to ensure complete contact with the deck. Side laps shall be a minimum of 3 inches. End laps shall be a minimum of 6 inches, and offset from preceding course end laps by 6 feet. End laps shall be sealed with asphalt cement as required by the manufacturer. The minimum application temperature is 40°F and the manufacturer must be contacted when installing below this temperature.

Self-adhered underlayments covered under this report are moisture and vapor barriers. The spaces under the covered deck area and the attic space must be properly ventilated in accordance with local building codes. Underlayments covered under this report are intended for exterior applications only.

Self-adhered underlayments shall be limited to installation over substrates as shown in the table below.

<u>Product</u>	<u>Allowable Substrates</u>
Everbilt Ice & Water	Plywood

Asphalt Cement:

When used with underlayment, asphalt cement must comply with ASTM D4586.

Asphalt Primer:

When used with underlayment, asphalt primer must comply with ASTM D41.

Flashing:

Underlayments covered under this report may be used as flashing material where self-adhering polymer modified bitumen sheet and/or ASTM D1970 are referenced in the code. Where underlayment is intended to adhere to metal flashing materials, metal surface shall be primed.

Roof Coverings:

Underlayments covered in this report are acceptable for use with mechanically fastened roof coverings as stated in the table below.

<u>Product</u>	<u>Allowable Roof Coverings</u>
Everbilt Ice & Water Shield	Asphalt Shingles Wood Shingles and Shakes Composite Plastic Shingles Slate Roof Shingles



INSTALLATION (ASTM D8257 underlayment)

ASTM D8257 underlayments covered under this report shall be installed in accordance with the applicable code, this report, and the manufacturer's published installation instructions, which shall be available at all times on the jobsite during installation. These underlayments are not the primary roof cover and as such are not intended to be left permanently exposed to direct weather.

The ASTM D8257 underlayment has been evaluated for application to wood decks installed over ventilated attic spaces. Application to other surfaces is outside the scope of this evaluation.

Roof slopes shall be minimum 2:12 (16.67% slope or 9°). The underlayment shall be installed with the topside (i.e. print side) up. The underlayment shall be laid horizontally (i.e. parallel to the eave) starting at the lower edge of the roof. The underlayment shall be mechanically attached to structural wood deck in accordance with local building codes.

The underlayment covered under this report is intended for exterior roof applications only. Roof coverings shall be mechanically fastened through to the wood deck. Roof coverings shall not be adhered to the underlayment.

Deck:

Deck surface shall be clean, smooth, dry, free of debris, and structurally sound prior to installing underlayment. All deck fasteners shall be checked for protrusion and corrected prior to underlayment application. Replace any damaged or rotted deck.

Fasteners:

Fasteners shall be ring or deformed shank nails with minimum 1 inch diameter metal or plastic caps. Metal caps shall have a minimum thickness of 32 gauge (0.0134 inch) sheet metal for loose caps or 0.010 inch for power driven cap nails. Plastic caps shall have an outside edge minimum thickness of 0.035 inch. Nail shank shall be minimum No. 14 gauge (0.083 inch shank diameter) galvanized or stainless steel corrosion-resistance nails. Fasteners shall penetrate into the deck minimum $\frac{3}{4}$ inch, or through the deck, where the deck is less than $\frac{3}{4}$ inch thick. Dimensional tolerances of fasteners shall conform to ASTM F1667.

Reroofing:

Prior to the reroofing, all existing roofing shall be removed down to the deck. Exposed deck surface shall be clean, smooth, dry, free of debris, and structurally sound prior to installing underlayment. All deck fasteners shall be checked for protrusion and corrected prior to underlayment application. Replace any damaged or rotted deck.

Roof Coverings:

Underlayments covered in this report are acceptable for use with mechanically fastened roof coverings as stated in the table below.

<u>Product</u>	<u>Allowable Roof Coverings</u>
Everbilt Synthetic Roofing Underlayment	Asphalt Shingles Metal Roof Panels Composite Plastic Shingles



CONDITIONS OF USE & IDENTIFICATION

The products described in this report comply with, or are suitable alternatives to, the codes listed in this report, subject to the following conditions:

- The products as well as the installation methods must be in compliance with the applicable code, this report, and the installation instruction provided by the manufacturer. If the manufacturer's installation instructions differ from what is listed in this report, this report governs.
- This report does not supersede the local jurisdiction regulations and the final approval of the building products, materials, or systems in this report is the responsibility of the authorities having jurisdiction.
- This report is only valid if the product(s) and/or the referenced documentation/codes related to the products do not change. If there is a change in product(s) and/or the referenced documentation/codes related to the products, PRI Construction Materials Technologies, LLC must be informed and further action may be necessary to revalidate this report.
- This report, in its entirety, must be available at job sites upon request by the user or for inspection by the Building Official. A copy of this report in full shall be provided by the manufacturer or its distributors.
- The products are identified by marks bearing the report holder's name, the manufacture location, the product name, and the Seal of PRI Validation Program for Building Materials. The Seal shall indicate, at a minimum, the following as applicable:
 - a. ASTM D1970
 - b. ASTM D8257
 - c. ASTM E108
- The products are manufactured at the locations listed in this report and are manufactured under a quality control program with inspections and/or surveillance by PRI Construction Materials Technologies, LLC.
- This report is a supplement to product certification. The products listed herein must be certified separately under the PRI Validation Program for Building Products. This report alone is not a product certification and requires separate product certification under the PRI Validation Program for Building Products to be valid.
- The current status of this report as well as a directory of certified products, including supplemental PRI Evaluation Reports, can be found at pri-group.com.

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