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DIVISION: 06 WOOD, PLASTICS, AND COMPOSITES
Section: 06 53 00 Plastic Decking

REPORT HOLDER:
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REPORT SUBJECT:
CertainTeed EverNew™ Vinyl Decking

1.0 SCOPE OF EVALUATION

1.1 This Research Report addresses compliance with the following Codes:

- 2015 and 2012 *International Building Code*® (IBC)
- 2015 and 2012 *International Residential Code*® (IRC)
- 2017 *Florida Building Code* (see Section 9)

Sections referenced in this report of the IBC and IRC are applicable to FBC and Florida Residential Code respectively.

1.2 *CertainTeed EverNew™ Vinyl Decking* has been evaluated for the following properties:

- Material Properties
- Structural Performance
- Durability
- Surface Burning
- Decay Resistance

1.3 *CertainTeed EverNew™ Vinyl Decking* has been evaluated for the following uses:

- Deck boards are intended for use as a walking surface on exterior decks, balconies, porches, and walkways, including stairs as further defined herein.
- The deck boards identified in this report may be used in One- and Two-Family Dwellings regulated by the IRC and other construction types regulated by the IBC in accordance with IBC Section 1406.3 as follows:

Construction Type IIB, IIIB & VB per IBC §1406.3 and Table 601 (No fire resistance rating required for floors).

Construction Type IIIA, IV & VA per IBC §1406.3, Exception 3 (Sprinkler protection required).

2.0 STATEMENT OF COMPLIANCE

CertainTeed EverNew™ Vinyl Decking 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 *CertainTeed EverNew® Vinyl Decking* deck boards are co-extruded (capped) polyvinyl chloride (PVC) produced in the following colors: White, Almond and Grey.

3.2 *CertainTeed EverNew® Vinyl Decking* deck boards have a hollow rectangular cross-section with nominal dimensions of 1-1/2" thick by 5-1/2" wide. Each deck board is formed with two longitudinal grooves to accept fasteners and fill pieces. See Figures 1-2.

3.3 Walking Surface - *CertainTeed EverNew® Vinyl Decking* deck boards are finished with an embossed ribbed pattern.

4.0 PERFORMANCE CHARACTERISTICS

4.1 *CertainTeed EverNew® Vinyl Decking* deck boards are rated for a uniform live load of 100 lbs/ft.² when installed on support framing spaced at 24".

4.2 *CertainTeed EverNew® Vinyl Decking* used as stair treads are rated for the code-prescribed concentrated load equal to 300 lb when installed with a maximum 10" support span. Deck boards used as stair treads shall be installed in a minimum two-span condition.



4.3 *CertainTeed EverNew® Vinyl Decking* deck boards have a maximum wind uplift resistance rating of 426 lb/ft.² when face- fastened with #8 x 2-1/2" deck screws to support framing spaced 24" on center.

4.4 Materials used have a flame spread index that does not exceed 200 when tested according to ASTM E 84.

4.5 Materials are deemed equivalent to preservative treated or naturally durable wood for resistance to weathering effects, attack from termites and fungus decay.

4.6 Structural performance has been demonstrated for a temperature range from -20°F to 125°F.

5.0 INSTALLATION

CertainTeed EverNew™ Vinyl Decking 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.

5.1 Decking can be installed in full runs or uniformly staggered on the deck support structure. For all but stairs, install deck plans on substructures built on 24" centers.

5.2 Face fastening of the *CertainTeed EverNew® Vinyl Decking* shall be with two #8 x 2-1/2" long deck screws. Fasteners are installed on every joist at 24.0 span. The installation of butting boards requires a double jointed seam.

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 The deck boards identified in this report have no residential use limitations.

6.3 Deck boards placed at an angle other than 90 degrees to the supporting joist will require support framing at a reduced spacing such that the span of the deck board does not exceed 24".

6.4 The wind uplift resistance rating recognized in this report is based on attachment to treated Southern Pine framing (specific gravity, G=0.55). Installation on wood framing with a lesser specific gravity may result in a lower wind uplift rating.

6.5 Compatibility of the supporting construction materials with all metal fasteners are subject to approval by the code official.

6.6 The *CertainTeed EverNew™ Vinyl Decking* is manufactured under a quality control program with inspections by Intertek Testing Services NA, Inc

7.0 SUPPORTING EVIDENCE

7.1 Manufacturer's drawings and installation instructions.

7.2 Reports of testing in accordance with ICC-ES AC174, Acceptance Criteria for Deck Board Span Ratings and Guardrail Systems (Guards and Handrails), revised December 2014.

7.3 The reports of testing and engineering analysis demonstrating compliance with the performance requirements of ASTM D 7032-10a, Standard Specification for Establishing Performance Ratings for Wood-Plastic Composite Deck Boards and Guardrail Systems (Guards or Handrails).

7.4 Documentation of an Intertek approved quality control system for the manufacturing of products recognized in this report

8.0 IDENTIFICATION

The *CertainTeed EverNew™ Vinyl Decking* is/are identified with the manufacturer's name (CertainTeed Corporation) address and telephone number, the product name (*CertainTeed EverNew™ Vinyl Decking*), the statement "See CCRR-0219 at <https://whcirectory.interte.com> for uses and performance levels.", the Intertek Mark as shown below, and the Code Compliance Research Report number (CCRR-0219).





- Use of the *CertainTeed EverNew™ Vinyl Decking* for compliance with the High-Velocity Hurricane Zone provisions of the 2017 *Florida Building Code* has not been evaluated, and is outside the scope of this Research Report.
- Intertek is a quality assurance entity approved by the Florida Building Commission.

9.0 FLORIDA BUILDING CODE

9.1 Scope of Evaluation:

The *CertainTeed EverNew™ Vinyl Decking* was evaluated for compliance with the 2017 *Florida Building Code*.

9.2 Conclusion:

The *CertainTeed EverNew™ Vinyl Decking* described in Sections 2.0 through 7.0 of this Research Report, comply with the 2017 *Florida Building Code*, subject to the following conditions:

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.

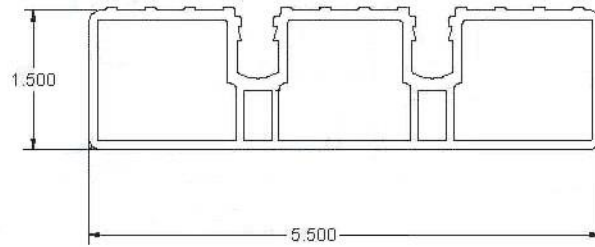
10.3 Reference to the <https://bpdirectory.intertek.com> is recommended to ascertain the current version and status of this report.

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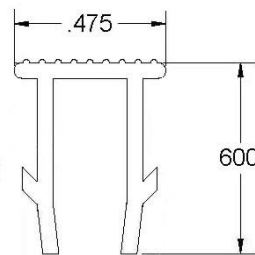
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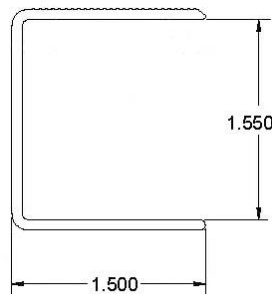
1.5 X 5.5 Deck Plank

FIGURE 1 – CERTAINTEED EVERNEW® VINYL DECKING PROFILE



Deck Fill Piece

FIGURE 2: CERTAINTEED EVERNEW® VINYL DECKING FILL PIECE



Deck End Cover

FIGURE 3:

CERTAINTEED EVERNEW® VINYL DECKING END CAP COVER PIECE