Code Compliance Research Report
CCRR-0515

Issue Date: 12-20-2023
Revision Date: 05-14-2025
Renewal Date: 12-31-2025

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

REPORT HOLDER:
UFP Ventures II, Inc.
1801 East Lessard Street
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REPORT SUBJECT:
***Deckorators* Deck Boards**
Trailhead
Tropics (TG2)
Venture (TG3)
Vista
***Veranda* Deck Boards**

1.0 SCOPE OF EVALUATION

1.1 This Research Report addresses compliance with the following Codes:

- 2024, 2021, and2018 *International Building Code®* (IBC)
- 2024, 2021, and 2018 *International Residential Code®* (IRC)

NOTE: This report references the most recent Code editions noted. Section numbers in earlier editions may differ.

1.2 The *Veranda, Venture,* and *Vista* deck boards have been evaluated for the following properties (see Table 1):

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

1.3 The deck boards have been evaluated for the following uses (see Table 1):

- Use as a walking surface on exterior decks, balconies, porches, and walkways, including stairs as described further herein.
- Use in One-and Two-family Dwellings regulated by the IRC and other construction types regulated by the IBC in accordance with IBC Section 705.2 *Projections*.

2.0 STATEMENT OF COMPLIANCE

The deck boards comply 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 *Trailhead* deck boards: *Trailhead* deck boards are solid co-extruded composite deck boards comprised of wood fiber and polyethylene. The boards are produced with nominal dimensions of 1 inch thick and 5-1/2 inches wide. The top surface of the boards is embossed with a simulated wood grain and the bottom surface of the boards is fluted. Boards are available with solid or grooved edges to accept concealed fasteners. See Figure 1.

3.2 *Tropics* deck boards: *Tropics* deck boards are solid co-extruded composite deck boards comprised of wood fiber and polyethylene. The boards are produced with nominal dimensions of 1 inch thick and 5-1/2 inches wide. The top surface of the boards is embossed with a simulated wood grain and the bottom surface of the boards is fluted. Boards are available with solid or grooved edges to accept concealed fasteners. See Figure 2.

3.3 *Veranda* deck boards: *Veranda* deck boards are solid co-extruded composite deck boards comprised of wood fiber and polyethylene. The boards are produced with nominal dimensions of 1 inch thick and 5-1/4 inches wide. The top surface of the boards is embossed with a simulated wood grain and the bottom surface of the boards is fluted.

Boards are available with solid or grooved edges to accept concealed fasteners. See Figure 3.

3.4 *Venture* deck boards: *Venture* deck boards are solid co-extruded composite deck boards comprised of wood fiber and polyethylene. The boards are produced with nominal dimensions of 1 inch thick and 5-1/2 inches wide. The top surface of the boards is embossed with a simulated wood grain and the bottom surface of the boards is fluted. Boards are available with solid or grooved edges to accept concealed fasteners. See Figure 4.

3.5 *Vista* deck boards: *Vista* deck boards are solid co-extruded composite deck boards comprised of wood fiber and polyethylene. The boards are produced with nominal dimensions of 1 inch thick and 5-1/2 inches wide. The top surface of the boards is embossed with a simulated wood grain and the bottom surface of the boards is flat. Boards are available with solid or grooved edges to accept concealed fasteners. See Figure 5.

4.0 PERFORMANCE CHARACTERISTICS

4.1 The deck boards are rated for a uniform live load of 100 lb/ft^2 when installed on support framing spaced at 16 inches and fastened in accordance with Table 2. The load rating includes applicable end use factors, no additional adjustments should be taken.

4.2 The deck boards may be used as stair treads when installed at a maximum support spacing of 8 inches. Stair treads must be face fastened and installed in a minimum two-span condition in accordance with Table 2.

4.3 The deck boards are rated for the maximum wind uplift resistances listed in Table 2.

4.4 Materials used have a flame spread index that does not exceed 200 when tested in accordance with ASTM E84.

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

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

5.0 INSTALLATION

5.1 The deck boards 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.

5.2 The deck boards must be fastened in accordance with Table 2.

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 Installation of the deck boards 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 16 inches.

6.3 The wind uplift resistance ratings recognized in this report are 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 lower wind uplift ratings.

6.4 Where required by the building official, engineering calculations and details shall be provided. The calculations shall verify that the anchorage complies with the building code for the type of framing and condition of the supporting construction.

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

6.6 Only those types of fasteners and fastening methods described in this report have been evaluated for the installation of the deck boards; other methods of attachment are outside the scope of this report.

6.7 The deck boards are manufactured under a quality control program with inspections by Intertek Testing Services NA, Inc.

7.0 SUPPORTING EVIDENCE

7.1 Reports of tests and engineering analysis demonstrating compliance with the applicable requirements of ASTM D7032-21, *Standard Specification for Establishing Performance Ratings for Wood-plastic Composite and Plastic Lumber Deck Boards, Stair Treads, Guards, and Handrails*.

7.2 Intertek Listing Report UFP Ventures II, Inc. – Deckorators and Veranda Composite Deck Boards, on the Intertek Directory of Building Products.

8.0 IDENTIFICATION

The deck boards are identified with the manufacturer's name (UFP Ventures II, Inc), the product name, the statement "ASTM D7032 compliant. See CCRR-0515 for uses and performance levels.", the Intertek Mark as shown below, the Intertek Control Number and the Code Compliance Research Report number (CCRR-0515).

9.0 OTHER CODES

This section is not applicable.

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.

TABLE 1 - PROPERTIES EVALUATED

PROPERTY	2024 IBC SECTION	2024 IRC SECTION
Physical Properties	2612	R507.2.2
Surface Burning Characteristics	2612.3	R507.2.2.2
Combustible Projections	705.2	R302.1
Live Loads	1607	R301.5
Wind Loads	1609	R301.2.1
Anchorage	1604.8.3	R507.8 R507.9

TABLE 2 – DECKING FASTENING AND WIND UPLIFT RATINGS

Fastening	Product	Wind Uplift Resistance[1]
Face fastened with two #8 x 2.25" STARBORN® DECKFAST® stainless steel screws at each joist	***Trailhead Veranda Vista***	450 psf
	Tropics Venture	375 psf
Stowaway™ hidden fastener installed using one 0.160" x 1.63" stainless steel screw at each joist (Figure 6)	***Trailhead Tropics Venture Veranda Vista***	200 psf
StealthLock™ hidden fastener installed using one 0.166" x 1.75" stainless steel screw at each joist (Figure 7)	***Trailhead Tropics Venture Veranda Vista***	166 psf

[1]Wind uplift resistance is based on installation as described in Sections 5.0 and 6.0 of this report. Values have been adjusted for wind load duration and end use. No additional adjustments should be taken.

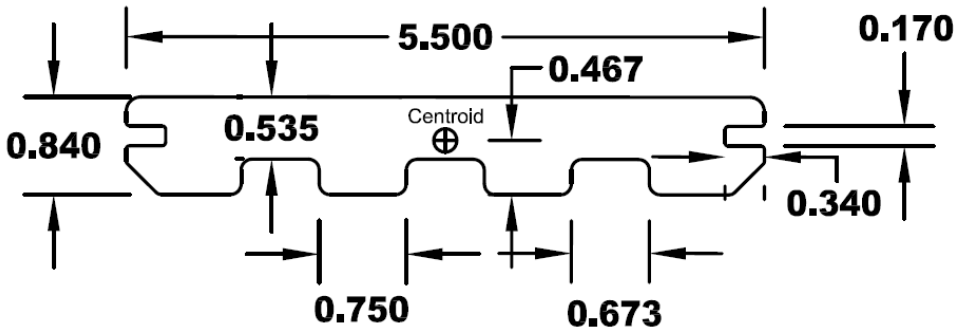

FIGURE 1 – TRAILHEAD DECK BOARD (SHOWN WITH GROOVED EDGE)

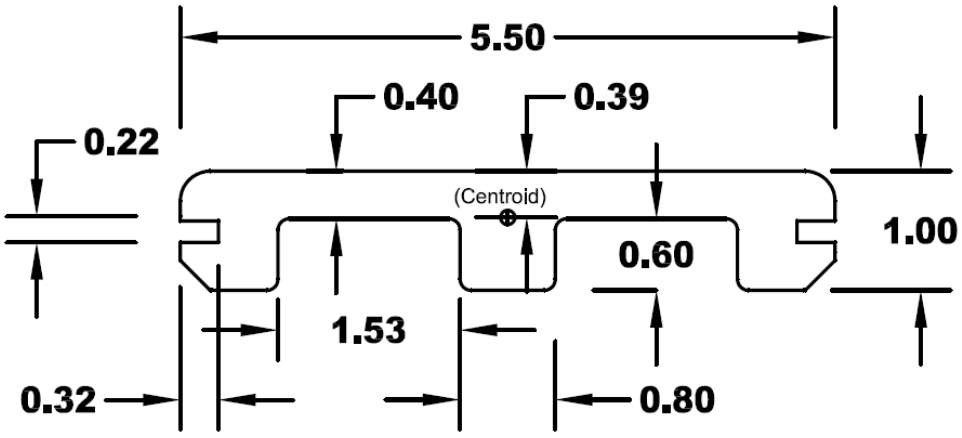

FIGURE 2 – TROPICS DECK BOARD (SHOWN WITH GROOVED EDGE)

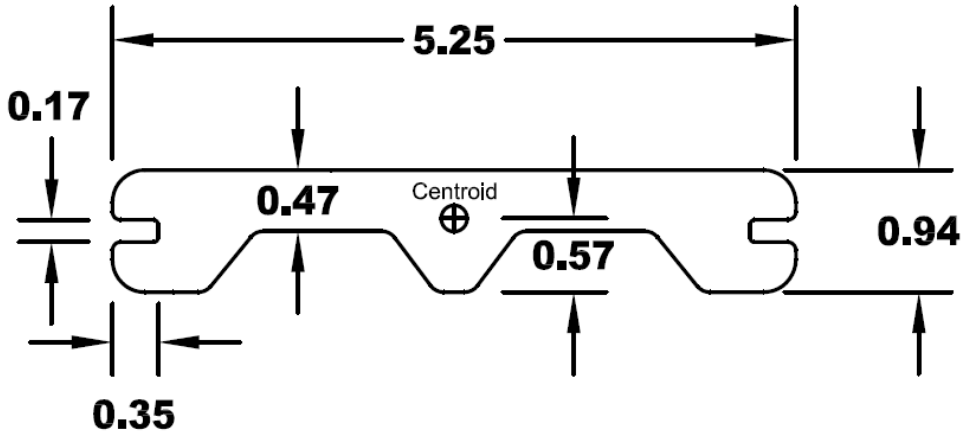

FIGURE 3 – VERANDA DECK BOARD (SHOWN WITH GROOVED EDGE)

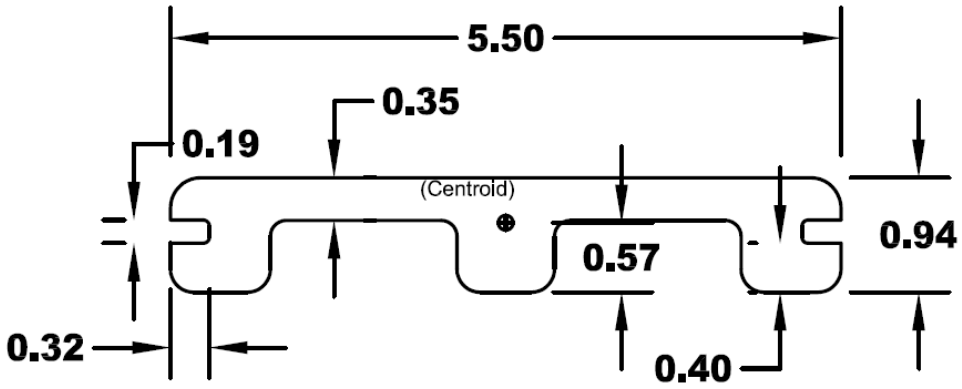

FIGURE4 – VENTURE DECK BOARD (SHOWN WITH GROOVED EDGE)

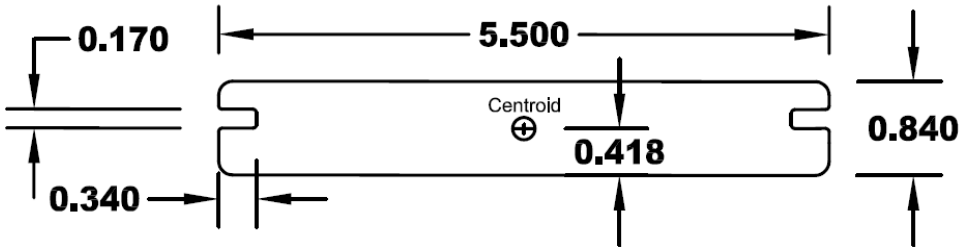

FIGURE 5 – VISTA DECK BOARD (SHOWN WITH GROOVED EDGE)

FIGURE 6 – STOWAWAY™ HIDDEN FASTENER

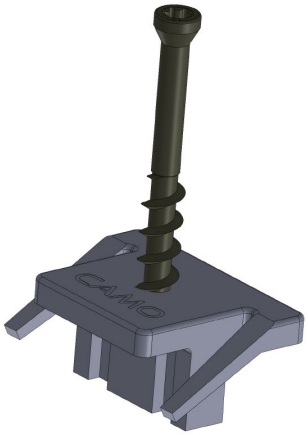

FIGURE 7 – STEALTHLOCK™ HIDDEN FASTENER