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DIVISION: 06 - Woods, Plastics, and Composites
Section: 06 65 00 - Plastic Trim

REPORT HOLDER:
VERSATEX BUILDING PRODUCTS
400 Steel Street
Aliquippa, PA 15001
(724)-857-1111
www.versatex.com

REPORT SUBJECT:
Versatex[®] Trim Board (Smooth and Timber Ridge)
Versatex[®] Sheets
Versatex[®] Bead Boards
Versatex[®] Corner Boards
Versatex[®] Stealth Trim

1.0 SCOPE OF EVALUATION

1.1. This research report addresses compliance with the following Codes:

- 2018, 2015 *International Building Code*[®] (IBC)
- 2018, 2015 *International Residential Code*[®] (IRC)
- 2017 *Florida Building Code* (FBC) excluding HVHZ (see Section 9)

1.2. *Versatex*[®] Trim Board has been evaluated for the following properties):

- Durability
- Surface Burning
- Termite Resistance
- Corrosion Resistance
- Weather Resistance
- Structural-negative-transverse wind loads on soffits

1.3. *Versatex*[®] Trim Board has been evaluated for the following uses:

- *Versatex*[®] trim boards, sheets, bead board, corner boards, and Stealth trim are rigid cellular PVC solid cross sections intended for use as corner boards, window / door surrounds, soffits, fascias, frieze boards, non-load

bearing rake boards, door and window trim, skirt boards, door pilasters, column / post wraps, and architectural millwork.

2.0 STATEMENT OF COMPLIANCE

2.1. *Versatex*[®] Trim Board 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 6.0.

3.0 DESCRIPTION

3.1. *Versatex*[®] trim boards and sheets are manufactured with expanded poly-vinyl-chloride (cellular PVC) using an extrusion process. Finished products exhibit a small cell micro structure and are produced with a minimum density of 0.55 g/cm³.

3.2. *Versatex*[®] products are supplied in the following profiles:

3.2.1. *Versatex*[®] trim boards are supplied with either a smooth surface or reversible textured 'Timber Ridge' finish. They are available in nominal widths of 2, 3, 4, 5, 6, 8, 10, 12, and 16 inches; nominal thicknesses of 5/8, 1, and 1-1/4 inches; and lengths of 18 and 20 feet.

3.2.2. *Versatex*[®] sheets are supplied in four foot widths and with lengths up to twenty feet in thicknesses of 1/2, 5/8, 3/4, and 1 inch.

3.2.3. *Versatex*[®] bead boards are supplied in widths of 3-1/2 and 5-1/2 inches and are 1/2 inch thick in 18 foot lengths.

3.2.4. *Versatex*[®] corner boards are supplied in nominal 1-1/4 inch thickness and nominal 4, 6, 8 and 10 inches outside corner sizes and in 10 feet, 12 feet, 20 feet, and 22 feet lengths.



4.0 PERFORMANCE CHARACTERISTICS

- 4.1. Materials used have a flame spread index less than 200 when tested in accordance with ASTM E 84.
- 4.2. Materials used are deemed equivalent to preservative treated or naturally durable wood for resistance to weathering effects and attack from termites.
- 4.3. Materials used are not affected by corrosion due to contact with ACQ-D preservative-treated wood.
- 4.4. Soffit assemblies consisting of 1 inch x 12 inch boards installed on framing spaced 16 inches on center have a maximum allowable design load of 40 psf for negative (suction) wind pressure when attached to SPF (G=0.42) wood framing or 55 psf when attached to SYP (G=0.55) wood framing. Installation consists of two 8d finish nails (2.5 inch long) installed in each wood framing member spaced 16 inches on center.

5.0 INSTALLATION

Versatex[®] Trim Board 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. Fasteners shall be stainless steel or hot-dipped galvanized steel and designed for wood trim and siding. Fasteners shall have blunt points and full round heads. The fastener must be long enough to penetrate the wood substrate a minimum of 1.5 inches.
- 5.2. Except as noted in Section 4.4 of this report, the trim boards and sheets shall be installed over solid backing material, including approved exterior sheathing or exterior wall coverings. *Versatex*[®] fascia must be installed over an approved structural sub-fascia.

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. *Versatex*[®] trim boards and sheets are limited to the following three construction types:

- 6.2.1. Nonload-bearing exterior trim on buildings of Type V-B (5B) construction under the IBC.
 - 6.2.2. Combustible architectural trim on exterior walls of buildings of Type I, II, III, and IV construction under the IBC, limited to: 10 percent of an exterior wall surface area where the fire separation distance is less than 5 feet; and 40 feet in height above grade.
 - 6.2.3. All buildings permitted under the IRC.
- 6.3. Compatibility of the supporting construction materials with all fasteners, components, and other hardware components is subject to approval by the code official.

6.4. Only those types of fasteners and fastening methods described in this report have been evaluated for the installation of the *Versatex*[®] trim boards and sheets. Other methods of attachment are outside the scope of this report.

6.5. All products are manufactured by Versatex Building Products under a quality 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 demonstrating compliance with ICC-ES AC227, Acceptance Criteria for Rigid Cellular PVC Nonload-Bearing Exterior Trim, revised June 2017.
- 7.3. Reports of testing in accordance with ASTM E330-02 (-14 for 2018 IBC).
- 7.4. Documentation of an Intertek approved quality control system for the manufacturing of products recognized in this report.





8.0 IDENTIFICATION

The *Versatex*[®] Trim Board is identified with the manufacturer's name (Versatex Building Products) address and telephone number, the product name (*Versatex*[®] Trim Board), the Intertek Mark, and the Code Compliance Research Report number (CCRR-0149).

9.0 FLORIDA BUILDING CODE

9.1. Scope of Evaluation

Versatex[®] Trim Boards were evaluated for compliance with the 2017 Florida Building Code.

9.2. Conclusion

Versatex[®] Trim Boards described in Sections 2.0 through 7.0 of this Research Report, comply with the 2017 Florida Building subject to the following conditions:

- Use of *Versatex*[®] Trim Boards 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.

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 Intertek website address: whdirectory.intertek.com is recommended to ascertain the current version and status of this report.

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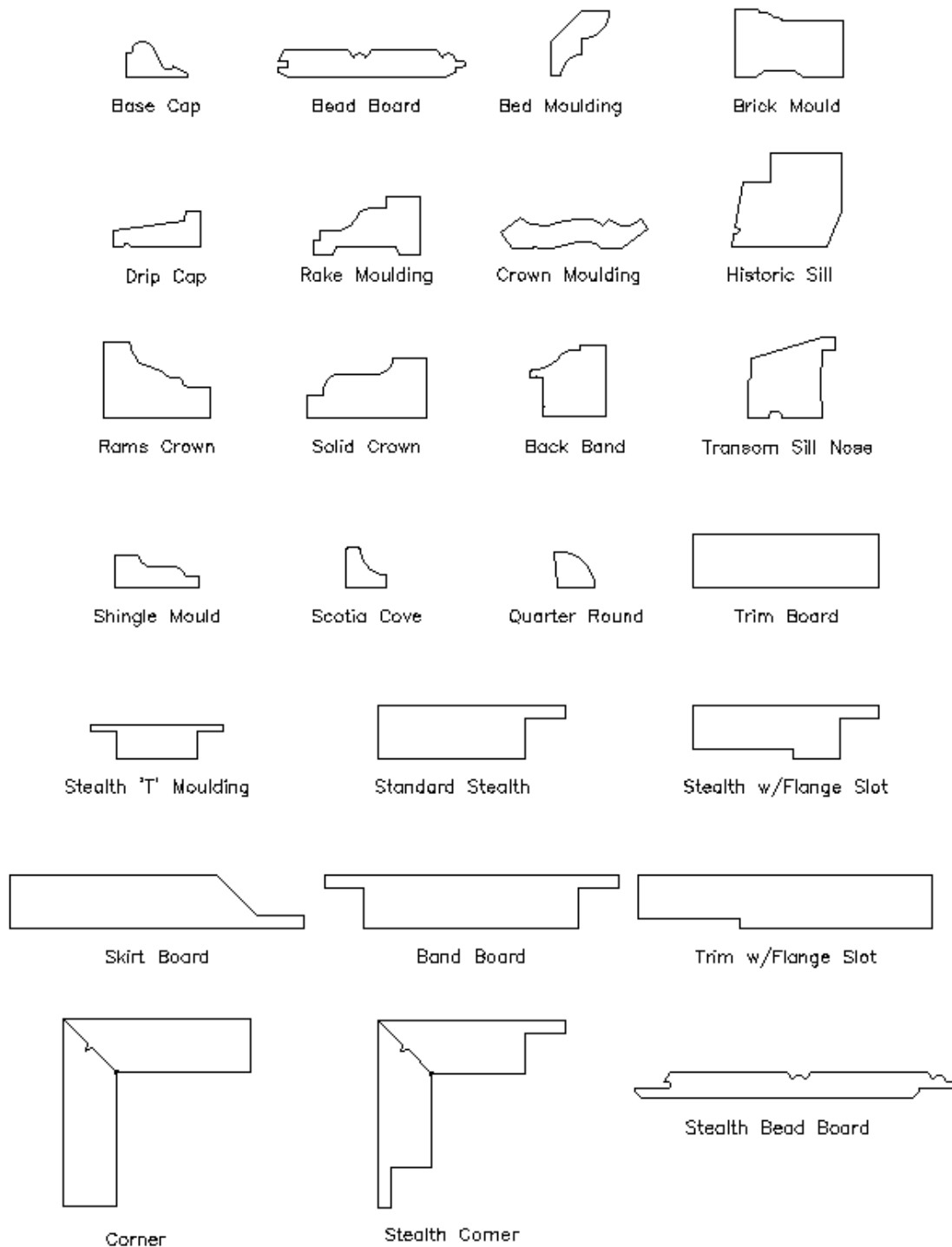


FIGURE 1 – VERSATEX® TRIM PROFILES

