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DIVISION: 07 – THERMAL AND MOISTURE PROTECTION
Section: 07 46 33 – Plastic Siding

REPORT HOLDER:
VERSATEX BUILDING PRODUCTS
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REPORT SUBJECT:
***Versatex Xceed®* Siding**

1.0 SCOPE OF EVALUATION

1.1 This Research Report addresses compliance with the following Codes:

- 2024, 2021, 2018 *International Building Code®* (IBC)
- 2024, 2021, 2018 *International Residential Code®* (IRC)
- 2023 *Florida Building Code* excluding High-Velocity-Hurricane Zones (HVHZ) (see Section 9)

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

1.2 *Versatex Xceed®* Siding has been evaluated for the following properties (see Table 1):

- Surface Burning
- Termite Resistance
- Corrosion Resistance
- Weather Resistance
- Structural wind loads
- Durability
- Combustible Exterior Wall Covering
- Fire resistance

1.3 *Versatex Xceed®* Siding has been evaluated for the following uses (see Table 1):

- Rigid polyvinyl chloride (PVC) intended for use as exterior siding attached over an approved structural sheathing.

2.0 STATEMENT OF COMPLIANCE

Versatex Xceed® Siding 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.

2.1 2024 IBC and IRC Evaluation Reports: The Intertek CCRR is an Evaluation Report for approval of alternate material, design, or method of construction in accordance with Section 104.2.3.6.1 of the 2024 IBC and Section R104.2.2.6.1 of the 2024 IRC.

3.0 DESCRIPTION

3.1 *Versatex Xceed®* Siding is manufactured with expanded poly-vinyl-chloride (cellular PVC) using an extrusion process. Finished products exhibit a small cell micro structure in capped and uncapped versions. Siding comes with nominal 4-1/2 in. and 7-1/2 in. reveal and 16 ft length, with pre-punched nail slots.

3.2 Capped *Versatex Xceed®* Siding products are supplied in various colors.

3.3 Uncapped *Versatex Xceed®* Siding requires painting in accordance with Section 6.8.

4.0 PERFORMANCE CHARACTERISTICS

4.1 *Versatex Xceed®* Siding has a flame spread index not exceeding 25 when tested in accordance with ASTM E84.

4.2 *Versatex Xceed®* Siding is deemed equivalent to preservative treated or naturally durable wood for resistance to weathering effects and attack from Formosan termites.

4.3 *Versatex Xceed®* Siding is not affected by corrosion due to contact with MCA preservative-treated wood.

4.4 *Versatex Xceed®* Siding maximum allowable wind pressures are given in Table 2 for siding installed in accordance with Section 5.



4.4.1 Windload resistance values are in accordance with ASTM D3679 and ASTM D7254.

Exception: A pressure equalization factor (PEF) is not applied.

4.5 *Versatex Xceed*® Siding installed on the exterior of fire-resistance rated walls does not reduce the fire-resistance rating of the wall assembly that has been established in accordance with IBC Section 703.2.

5.0 INSTALLATION

5.1 General:

Versatex Xceed® Siding 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 *Versatex Xceed*® Siding shall be installed over an approved structural wood sheathing complying with Section 2303.1.5 of the IBC and FBC.

5.3 Sheathing must be covered by an approved water-resistive barrier in accordance with IBC Section 1404.2 and IRC Section R703.2 and provide a means for draining water that enters the assembly from the exterior.

5.4 Flashing shall be installed in accordance with IBC 1404.4 and IRC R703.4.

5.5 Protection against condensation shall be provided in accordance with IBC 1404.3.

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 Wind design pressures determined from allowable stress design (also known as nominal) wind speeds (V_{asd}) in accordance with the applicable code shall not exceed the allowable wind design pressures as identified in Table 2.

6.3 *Versatex Xceed* Siding is limited to the following construction types:

6.3.1 Exterior use on buildings of Type V construction (A and B) and all construction types permitted under the IRC and FBC-R.

6.3.2 Exterior use on buildings of Types I-IV construction when installed in accordance with Section 5.0 with the following limitations:

- The area of the cladding shall not exceed 10 percent of the wall area where the fire separation distance is 5 feet or less.
- Building heights of 40 feet or less above grade
- Cladding located along the top of exterior walls shall be completely backed up by the exterior wall and shall not extend over or above the top of the exterior wall.
- Fire-blocking complying with IBC Section 718.2.6 shall be installed when the wall cladding is installed on the exterior wall without any gaps between the cladding boards.

6.3.3 Exterior Siding on all buildings permitted under the IRC

6.4 Compatibility of the supporting construction materials with all fasteners, components, and other hardware components is subject to approval by the Code official.

6.5 When fasteners are installed in pressure-treated wood (preservative or fire-retardant), the appropriate adjustment factors based on the pressure-treated wood manufacturer's recommendations or appropriate Code provisions shall be applied to reduce the capacity of the fastener.

6.6 Fasteners shall have an appropriate corrosion protection for exterior use and the substrate in which it is installed.

6.7 Only those types of fasteners and fastening methods described in this report have been evaluated for the installation of the *Versatex Xceed*® Siding. Other methods of attachment are outside the scope of this report.

6.8 Uncapped *Versatex Xceed*® siding shall be protected with PPG ACRI-SHEILD® MAX 739-10 exterior paint at a minimum dry thickness of 1.6 mils.

6.9 *Versatex Xceed*® Siding is manufactured under a quality control program with inspections by Intertek Testing Services NA, Inc.





7.0 SUPPORTING EVIDENCE

7.1 Reports of tests in accordance with ICC-ES AC227, Acceptance Criteria for Rigid Cellular PVC Non Load-Bearing Exterior Trim, revised June 2017.

7.2 Reports of testing demonstrating compliance with ASTM D7254-21, and ASTM D3679-21 for: extent of burn, heat shrinkage, impact resistance, surface distortion, coefficient of linear expansion, and wind load resistance.

7.3 Reports of evaluation and engineering analysis for allowable fastener capacities in accordance with NDS-2024, National Design Specification (NDS) for Wood Construction and AISI S100-2016(2020) w/S2-20 North American Standard for the Design of Cold Formed Steel Structural Members.

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

7.5 Intertek Listing Report "Versatex Building Products Xceed® Lap Siding", on the [Intertek Directory of Building Products](#).

8.0 IDENTIFICATION

Versatex Xceed® Siding is identified with the manufacturer's name (Versatex Building Products), the product name (Versatex Xceed® Siding), the Intertek Mark as shown below, the Intertek Control Number and the Code Compliance Research Report number (CCRR-0561).



9.0 FLORIDA BUILDING CODE

9.1 Scope of Evaluation:

The Versatex Xceed® Siding was evaluated for compliance with the *Florida Building Code – Building*, *Florida Building Code – Residential* and *Florida Building Code – Energy Conservation*.

9.2 Conclusion:

Versatex Xceed® Siding, described in Sections 2.0 through 7.0 of this Research Report, comply with the *Florida Building Code – Building*, and *Florida Building Code – Residential*, subject to the following conditions:

- Use of the Versatex Xceed® Siding for compliance with the High-Velocity Hurricane Zone provisions of the *Florida Building Code – Building* and the *Florida Building Code – Residential* has not been evaluated, and is outside the scope of this Research Report.
- Intertek is an approved evaluation entity and quality assurance entity pursuant to Florida Statute 553.842 – *Product Evaluation and Approval*.

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.

This Code Compliance Research Report ("Report") is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Report. Only the Client is authorized to permit copying or distribution of this Report and then only in its entirety, and the Client shall not use the Report in a misleading manner. Client further agrees and understands that reliance upon the Report is limited to the representations made therein. The Report is not an endorsement or recommendation for use of the subject and/or product described herein. This Report is not the Intertek Listing Report covering the subject product and utilized for Intertek Certification and this Report does not represent authorization for the use of any Intertek certification marks. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.



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TABLE 1 - PROPERTIES EVALUATED

PROPERTY	APPLICABLE CODE SECTIONS ¹			
	IBC SECTION	IRC SECTION	FBC - Building	FBC – Residential
Material	104.2.3	R104.2.2	104.11	R101.2.1
Exterior Wall Covering	1403.8	R703	1404.8	R703
Combustible Exterior Wall Coverings	1405	N.A.	1406	N.A.
Wind Load	1609	R703.1.2	1609	R703.1.2

¹Section numbers pertain to the most recent edition cited in Section 1.1 of this Report

TABLE 2 - ALLOWABLE DESIGN PRESSURE (WIND)²

Product	Substrate	Fastening	Allowable Design Pressure ²	
			Negative	Positive
Versatex Xceed® Siding (4.5" Lap Siding)	7/16" Wood sheathing over 2x_ wood framing 16" o.c. ¹	1/8" Shank, 5/16" head, 2" long ring shank roofing nails	103 psf	150 psf
		#8 x 2" long 5/16" washer head wood screws	120 psf	150 psf
	7/16" Wood sheathing over 20 ga. steel studs 16" o.c.	#8 x 2" modified truss head self- drilling/tapping screws	140 psf	150 psf
Versatex Xceed® Siding (7.5" Lap Siding)	7/16" Wood sheathing over 2x_ wood framing 16" o.c. ¹	1/8" Shank, 5/16" head, 2" long ring shank roofing nails	82 psf	140 psf
		#8 x 2" long 5/16" washer head wood screws	120 psf	140 psf
	7/16" Wood sheathing over 18 ga. steel studs 16" o.c.	#8 x 2" modified truss head self- drilling/tapping screws	86 psf	140 psf

(1) Wood studs are SPF or other wood with a specific gravity (G) of 0.42 or greater. Installation on over wood framing with a lesser thickness or lesser specific gravity may result in a lower allowable design pressure.

(2) Allowable wind loads are applicable to wind design pressure derived from nominal wind speed (V_{asd}) per Section 1609.3.1 of the IBC and FBC-B. No pressure equalization factor is applied.

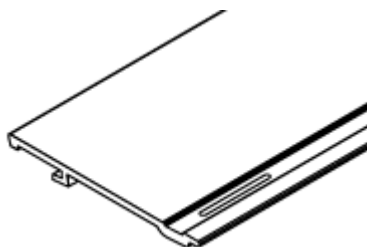


FIGURE 1 – Versatex Xceed® Siding