

PRODUCT APPROVAL EVALUATION REPORT

Rule 9N-3 F.A.C., Section 553.842 F.S.

EXT.11001
Report Number

4/7/2011
Report Date

P. 14517	Product Manufacturer:	Product Name/Model & Description:
	Exteria Building Products 1111 NW 165th Street Miami, FL 33169	Exteria Polypropylene Siding Thermoplastic resin siding with various profiles

Scope: This product has been evaluated by the below-signed Florida Professional Engineer for compliance with the Code noted herein and is, for the purpose intended, at least equivalent to that required by the Code, in accordance with section 553.842 F.S. & chapter 9B-72 F.A.C. Re-evaluation of this product shall be required following applicable Code modifications or revisions.

Code: 2007 Florida Building Code, inclusive of all Supplements effective as of this report date.

Compliance Method: 9B-72.070 (1)(d) – Evaluation Report from a licensed Professional Engineer

Product Description: Product Approval Drawing #EXT.11001, prepared by Nu-Wind Engineering, signed and sealed by the below-signed Professional Engineer, is an integral part of this Evaluation Report.

Limitations & Conditions of Use:

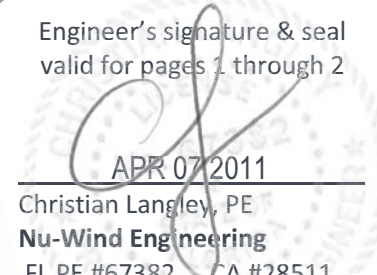
- This product has been evaluated for use **only outside the HVHZ** (High Velocity Hurricane Zone)
- Impact Resistance: **Non-Impact**
- Refer to Product Approval Drawing noted above for:
 - Maximum allowable wind loads at related maximum allowable size(s).
 - Other load limitations applicable to the product, if any.
 - Overall dimensions and material/grade of main product components, accessories, etc.
 - Illustrated diagrams of the attachment of the product to the structure.
 - Anchor type(s), size(s), substrate(s), embedment, edge distance, and spacing/locations.

Test Reports:

Test Lab	Report Number	Test Standard & Description
Architectural Testing (ATI) – Tampa, FL	A2284.01-401-44	ASTM D7254 (polypropylene siding standard) ASTM D5206 (wind load resistance, rigid siding) ASTM D4226 (impact resistance, PVC products)
Architectural Testing (ATI) – Tampa, FL	A2285.01-401-44	ASTM D7254 (polypropylene siding standard) ASTM D5206 (wind load resistance, rigid siding) ASTM D4226 (impact resistance, PVC products)

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Engineer's signature & seal
 valid for pages 1 through 2

 APR 07 2011
 Christian Langley, PE
Nu-Wind Engineering
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Exteria Polypropylene Siding

Architectural Testing (ATI) – Tampa, FL	A2282.01-401-44	ASTM D7254 (polypropylene siding standard) ASTM D5206 (wind load resistance, rigid siding) ASTM D4226 (impact resistance, PVC products) ASTM D2843 (smoke density) ASTM D1929 (self-ignition temperature) ASTM D635 (rate of burning)
Architectural Testing (ATI) – Tampa, FL	A2288.01-401-44	ASTM D7254 (polypropylene siding standard) ASTM D5206 (wind load resistance, rigid siding) ASTM D4226 (impact resistance, PVC products)
Architectural Testing (ATI) – Tampa, FL	A2289.01-401-44	ASTM D7254 (polypropylene siding standard) ASTM D5206 (wind load resistance, rigid siding) ASTM D4226 (impact resistance, PVC products)
Architectural Testing (ATI) – Tampa, FL	A2290.01-401-44	ASTM D7254 (polypropylene siding standard) ASTM D5206 (wind load resistance, rigid siding) ASTM D4226 (impact resistance, PVC products)
Architectural Testing (ATI) – Tampa, FL	A2291.01-401-44	ASTM D7254 (polypropylene siding standard) ASTM D5206 (wind load resistance, rigid siding) ASTM D4226 (impact resistance, PVC products) ASTM D2843 (smoke density) ASTM D1929 (self-ignition temperature) ASTM D635 (rate of burning)
Architectural Testing (ATI) – Tampa, FL	A7288.01-401-44	ASTM D7254 (polypropylene siding standard) ASTM D5206 (wind load resistance, rigid siding) ASTM D4226 (impact resistance, PVC products)

Engineering Analysis: The following engineering analyses and/or calculations have been performed:

- No comparative analysis has been performed for conditions other than those tested.
- Rational analysis has been performed per Code requirements and acceptable standards of engineering principles (but not in lieu of standard tests required by the Code), including the following:
 - Anchorage to resist applied design loads with required 4:1 safety factor
- No increase in allowable stress has been used in the evaluation of this product.

Additional Information:

Testing was performed primarily in accordance with the ASTM D7254 standard. This standard is not explicitly referenced within the above-noted building code. However, for polypropylene siding products, ASTM D7254 is the corresponding standard to ASTM D3679 (code-referenced standard for *vinyl* siding products), and satisfies FBC sections 1404 and 1405 for plastic siding products.