

Product Evaluation Report

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Product Manufacturer

KP Building Products/CertainTeed
402 Boyer Circle
Williston, VT 05495

Product Name, Model and/or Description

Maxim 8 Inch Board & Batten Vinyl Siding

Code: Current Edition of the Florida Building Code including the 8th Edition (2023) Florida Building Code

Compliance Method: 61G20-3.005(1)(d) – Product Evaluation Report by a Licensed Professional Engineer

Product Name, Model and/or Designation: Products covered by this evaluation include the following.

- Maxim 8 Inch Board & Batten

Product Installation Instructions:

- PTC Product Design Group LLC, Drawing No. KPBP0006, Rev. A, dated 10/14/23, by Robert J. Amoruso, P.E., KP Building Products Vinyl Siding – Maxim 8 Inch Board & Batten, Installation Anchorage Details.
- KP Building Products Vinyl Siding Estimating & Installation Guide, KP-EIG21A (101-7383) or later editions.

Test Reports and Performance Testing Standards Used:

1. Molimo Architectural Product Testing, 11410 Eden Road, York, PA 1740
 - a. Report No. 2174.02-106-11, dated 1/15/2020, Maxim 8 Inch Board & Batten, ASTM D 5206-13 – Standard Test Method for Windload Resistance of Rigid Plastic Siding
2. Architectural Testing Inc. Test Report No. 94119.02-106-18, dated 6/1/2010 for KP Building Products Vinyl Siding, materials testing to:
 - a. ASTM D3679-05, Standard Specification for Rigid Poly(Vinyl Chloride) (PVC) Siding.
 - b. ASTM D4226-05, Standard Test Methods for Impact Resistance of Rigid Poly(Vinyl Chloride) (PVC).
 - c. ASTM D696-08, Standard Test Method for Coefficient of Thermal Expansion of Plastics Between -30°C and 30°C with a Vitreous Silica Dilatometer.
 - d. ASTM D2457-08, Standard Test Method for Specular Gloss of Plastic Films and Solid Plastics.
 - e. ASTM D2244-09a, Standard Practice for Calculation of Color Tolerances and Color Differences from Instrumentally Measured Color Coordinates.
 - f. ASTM D1929-96 (2000)e1, Standard Test Method for Determining Ignition Temperature of Plastics.
 - g. ASTM D2843-99 (2004)e1, Standard Test Method for Density of Smoke from the Burning or Decomposition of Plastics.
 - h. ASTM D635-06, Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position.



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- a. ASTM G26-96, Practice for Operating Light-Exposure Apparatus (Xenon-Arc Type) With and Without Water for Exposure of Nonmetallic Materials (Withdrawn 2000, REPLACED BY G155)
- b. ASTM D638-96, Standard Test Method for Tensile Properties of Plastics

Engineering Evaluation:

- See Appendix A for Code Conformance Evaluation

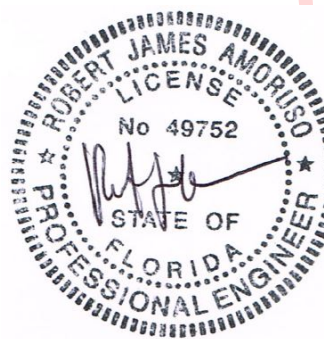
Limitations & Conditions of Use:

- This product has not been evaluated for use inside the High Velocity Hurricane Zone (HVHZ).
- Refer to Product Installation Instructions noted above for:
 - Maximum allowable wind loads at related maximum allowable size(s).
 - Overall dimensions and material/grade of main product components, accessories, etc.
 - Illustrated diagrams of the attachment of the product to substrate structure.
 - Anchor type(s), size(s), substrate(s), embedment, edge distance, and spacing/locations.
- Site wind pressures shall be determined by a licensed professional engineer in accordance with the current edition of the Florida Building Code (and/or ASCE 7 as referenced in the current edition of the Florida Building Code) for components and cladding based on allowable stress design.
- Site conditions not covered in this product evaluation document are subject to additional engineering analysis by a licensed professional engineer or registered architect as required by the authority having jurisdiction.
- Adequacy of the existing structural substrates as a main wind force resisting system capable of withstanding and transferring applied product loads to the foundation is the responsibility of the licensed professional engineer or registered architect acting as the design professional of record for the project of installation.

Certificate of Independence per Product Approval Rule 61G20-3.009

PTC Product Design Group, LLC and Robert J. Amoruso, P.E. does not have, nor will acquire, any financial interest in the company manufacturing or distributing product(s) covered by this Product Evaluation Report.

PTC Product Design Group, LLC and Robert J. Amoruso, P.E. do not have, nor will acquire any financial interest in any other entity involved in the approval process or testing of the product(s) covered by this Product Evaluation Report.



Digitally signed
by Robert J
Amoruso
Date:
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Evaluated by:
Robert J. Amoruso, P.E.
FL PE License No. 49752



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Appendix A – Code Conformance Evaluation

- Vinyl siding certified and labeled as conforming to the requirements of ASTM D3679.
- Vinyl siding tested to 1.5 x Design Pressure.
- Vinyl siding labeled in accordance with the Florida Building Code.
- Vinyl siding plastics comply with Chapter 26 of the Florida Building Code as shown below.

Test Standard			ASTM D3679-05	ASTM G26-96	ASTM D638-96	ASTM D2843-99	ASTM D1929-96 (2000)e0 1	ASTM D635-96
Acceptance Criteria			P/F	N/A	Tensile Test Variation ≤ 10%	Smoke Density ≤ 75	Self- Ignition Temp ≥ 343°C	Class CC1 or CC2
Test Report	Test Report Date	Product						
94119.02- 106-18	6/1/2010	Vinyl Siding	Passed	Tested Passed	Passed	40.4 max	370°C to 450°C	CC1

