

Product Evaluation Report

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Manufacturer

Butler Manufacturing Company
1540 Genessee St.
Kansas City, MO 64102

Product Series, Model and/or Description

Butlerib II HVHZ Wall LITE*PANL

Code: Current Edition of the Florida Building Code including the 9th Edition (2026) Florida Building Code

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

Product Installation Instructions:

- BMC0001, Rev. C, dated 9/11/26, signed and sealed by Robert J. Amoruso, P.E., *Butler Manufacturing Company Butlerib II HVHZ Wall LITE*PANL Installation Anchorage Details.*

Product Testing:

- Performance Testing
 - ATI Report No. B8760.02-450-1, dated 5/2/13, TAS 201-94, TAS 202-94 and TAS 203-94 testing.
- Plastics Testing
 - 200 IFW 8.0 interior fiberglass reinforced panel
 - ATI Report No. B8609.02-106-18, dated 11/07/12, ASTM D1929- 96(2000)e1 self-ignition temp.
 - ATI Report No. B8609.03-121-24, dated 11/09/12, ASTM E84-07 smoke developed index (smoke density).
 - ATI Report No. B8609.02-106-18, dated 11/07/12, ASTM D635-03 Rate of Burn Classification
 - ATI Report No. B8609.01-106-18, dated 12/19/12, ASTM D638-03/G155-05a Outdoor Exposure - tensile strength change.
 - 200 STW 8.0 exterior fiberglass reinforced panel
 - ATI Report No. B8609.05-106-18, dated 11/07/12, ASTM D1929- 96(2000)e1 self-ignition temp.
 - ATI Report No. B8609.04-121-18, dated 11/09/12, ASTM E84-07 smoke density.
 - ATI Report no. B8609.05-106-18, dated 11/07/12, ASTM D635-03 rate of burn classification.
 - ATI Report No. B8609.01-106-18, dated 12/19/12, D638-03/G155-05a Outdoor Exposure - tensile strength change.

Amoruso Consulting Engineering, LLC
FBPE Registration No. 38327
Robert J. Amoruso, FL P.E. No. 49752

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Engineering Analysis & Product Evaluation:

- Report No. 2228, Rev. 0, *Butler Manufacturing Company Butlerib II HVHZ Wall LITE*PANL Installation Anchorage Engineering*, signed and sealed by Robert J. Amoruso, P.E.

Performance Testing Standards:

- TAS 201-94, TAS 202-94 and TAS 203-94
- ASTM D1929- 96(2000)e1
- ASTM E84-07
- D635-03
- ASTM D638-03/G155-05a

Code Conformance:

Butler Manufacturing Company's Butlerib II HVHZ Wall LITE*PANL is approved under the Product Approval Rule 61G20-3 under the Florida Product Approval system in accordance with the following 9th Edition (2026) Florida Building Code Requirements.

Performance testing based upon signed and sealed ATI Test Report No. B8760.02-450-1, dated 5/2/13 and associated laboratory stamped drawings by Architectural Testing Inc. to the following.

- TAS 202-94, structural overload test to +/-195 psf and design load test to +/-130 psf.
- TAS 202-94, water penetration test of 15% of positive design load.
- TAS 201-94, large missile impact test (envelopes small missile impact test).
- TAS 203-94, cyclic wind pressure loading at +/-130 psf.

9th Edition (2026) Florida Building Code (FBC), Building Volume compliance to the following sections is based on the performance testing.

- Chapter 26, Light-Transmitting Plastic Wall Panels
- Chapter 16, Opening Protection
- Chapter 16, High Velocity Hurricane Zones - Impact Tests for Wind-Borne Debris

Conformance to the 9th Edition (2026) Florida Building Code (FBC), Building Volume, Chapter 26 - plastics fire resistive testing and outdoor exposure have been determined by testing as follows.

- 200 IFW 8.0 interior fiberglass reinforced panel
 - ASTM D1929 self-ignition temp > 650°F.

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- ATI Report No. B8609.02-106-18, dated 11/07/12 documented result of 752°F.
- ASTM E84 smoke developed index (smoke density) < 450.
 - ATI Report No. B8609.03-121-24, dated 11/09/12 documented result of 400.
- ASTM D635 Rate of Burn Classification CC1 or CC2.
 - ATI Report No. B8609.02-106-18, dated 11/07/12 documented result of CC1.
- ASTM D638/G155 Outdoor Exposure - tensile strength change +/-10% maximum.
 - ATI Report No. B8609.01-106-18, dated 12/19/12 documented result of +0.2%.
- 200 STW 8.0 exterior fiberglass reinforced panel
 - ASTM D1929 self-ignition temp > 650°F.
 - ATI Report No. B8609.05-106-18, dated 11/07/12 documented result of 842°F.
 - ASTM E84 smoke density < 450.
 - ATI Report No. B8609.04-121-18, dated 11/09/12 documented result of 300.
 - ASTM D635 rate of burn classification CC1 or CC2.
 - ATI Report no. B8609.05-106-18, dated 11/07/12 documented result of CC2.
 - ASTM D638/G155 Outdoor Exposure - tensile strength change +/-10% maximum.
 - ATI Report No. B8609.01-106-18, dated 12/19/12 documented result of -1.1%

Limitations & Conditions of Use:

- This product has been evaluated for use inside the High Velocity Hurricane Zone (HVHZ).
- This product has been tested for impact resistance.
- 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.
- 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.

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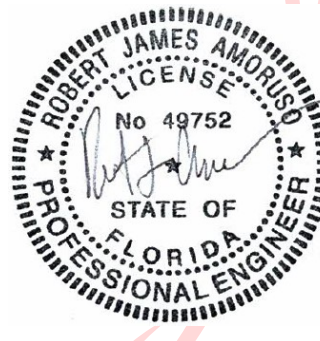
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- Site conditions not covered in this product evaluation document are subject to additional engineering analysis by a licensed professional engineer or registered architect as required by the authority having jurisdiction.
- Adequacy of the existing 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

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.

Robert J. Amoruso, P.E., does 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
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