



GULFPBR™

24 GAUGE GULFPBR™ ROOF PANEL OVER OPEN FRAMING
FLORIDA PRODUCT APPROVAL NO. 11650.2 R3

Product Evaluation Report

GULF COAST SUPPLY & MANUFACTURING, LLC.

24 Ga. GulfpBR™ Roof Panel over Open Framing

Florida Product Approval #11650.2 R3

Florida Building Code 2017

Per Rule 61G20-3

Method: 1 –D

Category: Structural Components

Subcategory: Roof Deck

Compliance Method: 61G20-3.005(1)(d)

HVHZ

Product Manufacturer:

Gulf Coast Supply & Manufacturing, LLC.

14429 SW 2nd Place, Suite G30

Newberry, FL 32669

Engineer Evaluator:

Dan Kuhn, P.E. #75519

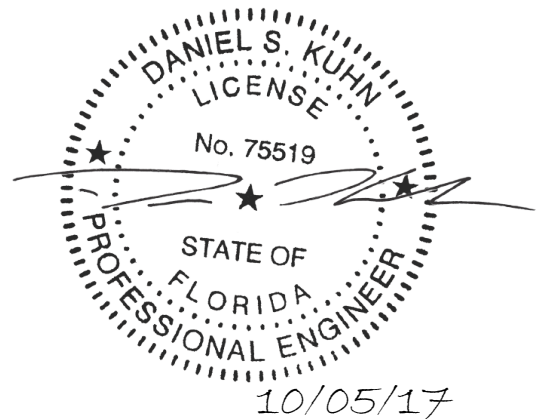
Florida Evaluation ANE ID: 10743

Validator:

Locke Bowden, P.E. #49704

9450 Alysbury Place

Montgomery, AL 36117



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- Compliance Statement:** The product as described in this report has demonstrated compliance with the Florida Building Code 2017, Sections 1504.3.2, 1504.7, 1518.9.
- Product Description:** GulfpBR™, Minimum 24 Ga. Steel, 36" Coverage, through fastened structural roof panel. Structural Application.
- Panel Material/Standards:** Material: Minimum 24 Ga. Steel, ASTM A792 or ASTM A653 G90 conforming to Florida Building Code 2017 Section 1507.4.3.
Paint Finish Optional
Yield Strength: Minimum 50.0 ksi
Corrosion Resistance: Panel Material shall comply with Florida Building Code 2017, Section 1507.4.3.
- Panel Dimension(s):** Thickness: 0.0235" min.
Width: 36" Coverage
Rib Height: 1¼" Major Rib at 12" O.C.
- Panel Fastener:** #12-14 x 1¼" HWH SD with sealing washing or approved equal at 12"-12"-12" fastener pattern. Panel side laps fastened together w/¼ -14 x 7/8" HWH SD w/ sealer washer at Maximum 18" O.C.
Corrosion Resistance: Per Florida Building Code 2017, Section 1506.6, 1507.4.4
- Substrate Description:** Minimum 16 Ga. Steel Framing. Must be designed in accordance w/ Florida Building Code 2017.

Design Uplift Pressures:

Maximum Allowable Uplift Pressures Based on ASTM E 1592 Testing	
12"-12"-12" Fastener Pattern	-60.0 psf @ 5'-0" O.C.
12"-12"-12" Fastener Pattern	-150.0 psf @ 2'-0" O.C.
Design Pressure includes a Safety Factor = 2.0.	





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Code Compliance:

The product described herein has demonstrated compliance with the Florida Building Code 2017, Sections 1504.3.2, 1504.7, 1518.9.

Evaluation Report Scope:

The product evaluation is limited to compliance with the structural wind load requirements of the Florida Building Code 2017, as relates to Rule 61G20-3.

Performance Standards:

The product described herein has demonstrated compliance with:

- TAS 125-03
- ASTM E 1592-12 Test method for structural performance of sheet metal roof and siding systems by uniform static air pressure difference.
- TAS 201-94 Impact Testing
- FM 4471 Appendix G for roof slopes less than 2:12
- TAS 110-00 - Accel. Weathering ASTM G 155 / Salt Spray ASTM B 117.
- FM 4471-1992, Section 4.4 Foot Traffic Resistance Test

Reference Data:

1. TAS 125-03: ASTM E 1592-01
Force Engineering & Testing, Inc. (FBC Organization # TST-5328)
Report No. 84-0320T-06A-D, Dated 04/09/2007
2. TAS 201-94
Farabaugh Engineering & Testing, Inc. (FBC Organization # TST-1654)
Report No. T202-07 FM
3. FM 4471 Appendix G
Farabaugh Engineering & Testing, Inc. (FBC Organization # TST-1654)
Report No. T203-07
4. TAS 110-00: Valspar Fluoropon coated metal panel testing
A) ASTM G 26 by PRI Asphalt Technologies dated 01/19/2004
B) ASTM B 117 by PRI Asphalt Technologies dated 01/19/2004
5. FM 4471-10, Section 4.4 Foot Traffic Resistance Test
Force Engineering & Testing, Inc. (FBC Organization # TST-5328)
Report No. 117-0378T-11A, Dated 02/15/2012
6. Certificate of Independence
By Dan Kuhn, P.E. (FL# 75519) @ Kuhn Engineering, LLC
(FBC Organization # ANE ID: 10743)





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- Test Standard Equivalence:**
1. ASTM E 1592-01 is equivalent to ASTM E 1592-12.
 2. ASTM G 26 is equivalent to ASTM G 155.
 3. The FM 4471-95 test standard is equivalent to the FM 4471-1992 test standard.
- Quality Assurance Entity:** The manufacturer has established compliance of roof panel products in accordance with the Florida Building Code and Rule 61G20-3.005(3) for manufacturing under a quality assurance program audited by an approved quality assurance entity.
- Minimum Slope Range:** 1/2:12. Minimum Slope shall comply with Florida Building Code 2017, including Section 1515.2 and in accordance with Manufacturers recommendations. For slopes less than 3:12, lap sealant must be used in the panel side laps.
- Installation:** Install per Manufacturer's recommended details and RAS 133.
- Underlayment:** Per Manufacturer's installation guidelines per Florida Building Code 2017 section 1518.2, 1518.3, 1518.4.
- Fire Barrier:** Any approved fire barrier having a current NOA. Refer to a current fire directory listing for fire ratings of this roofing system assembly as well as the location of the fire barrier within the assembly. Fire classification is not part of this acceptance.
- Shear Diaphragm:** Shear Diaphragm values are outside the scope of this report.
- Design Procedure:** The design professional shall select the appropriate erection details to reference in his drawings for proper fastener attachment to his structure and analyze the panel fasteners for pullout. The maximum fastener spacing listed herein shall not be exceeded. Support framing must be in compliance with FBC 2017. Design wind loads shall be determined for each project in accordance with FCB 2017 or ASCE7-10 using allowable stress design method.

