

Gulf Coast Supply & Mfg. Inc.

Product Evaluation Report for

24 Ga. Gulf Coast Mechanical Seam 18" Wide over 15/32" Plywood

Florida Product Approval # **11651.1**

Category: Roofing

Subcategory: Metal Roofing

Compliance Method: 9B-72.070(1)(d)

NON-HVHZ

Engineer Evaluator:

Terrence E. Wolfe, P.E. # 44923
19530 Ramblewood Drive
Humble, TX 77338

Validator:

Locke Bowden, P.E., FL #49704
9450 Alysbury Place
Montgomery, AL 36117



Product Manufacturer:
Gulf Coast Supply & Mfg, Inc.
4020 S.W. 449th Street
Horseshoe Beach, FL 32648
352-498-7852

Product Description:
Gulf Coast Mechanical Seam Roof Panel, 24 Ga. 0.0245", 18" Coverage, 2" Tall Rib, 180° Double Lock Seam, non-structural metal roof panel over min. 15/32" Plywood.

Panel Rollformer: New Tech Machinery Rollformer
New Tech Machinery Corp.
1300 40th Street
Denver, CO 80205

Compliance Statement:
The product as described in this report has demonstrated compliance with the Florida Building Code 2007, Sections 1504.3.2.

Documentation Supporting the Compliance Statement:

The product has been tested in accordance with:

- UL 580-94 / 1897-98 by Force Engineering & Testing
- Test Report #117-0248T-07 dated 7-11-07
 - A) Test #1 dated 6-7-7 w/ clips at 24" O.C.
 - B) Test #2 dated 6-19-7 w/ clips at 12" O.C.

Limitations and Conditions of use for NON-HVHZ:

Maximum Roof Component Uplift Pressure: -71.0 psf @ 2'-0" O.C. Clip Spacing
-108.5 psf @ 1'-0" O.C. Clip Spacing

Panel Material Standards: 24 Ga., 0.0245" Thick material Grade 50. Panel Material shall comply with FBC 2007, Section 1507.4.3

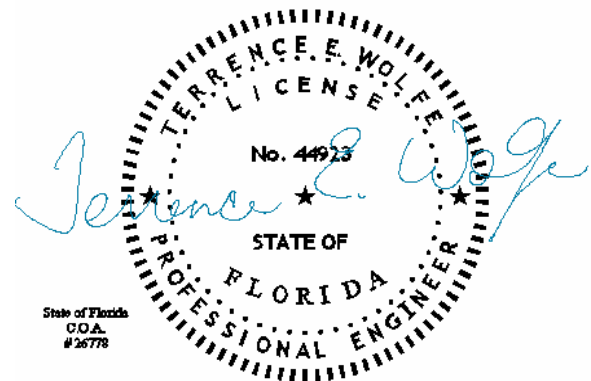
Panel Clip: NC-33003 Slider Clip

Panel Clip Fasteners: (2) #10-12 x 1" Pancake Type A, min. 1/4" Penetration into plywood. Fasteners must be Corrosion resistance per FBC 2007, Section 1507.4.4

Minimum Roof Slope: 2:12. Minimum Slope shall comply with FBC 2007, Section 1507.4.2 and Manufacturers recommendations.

Substrate Description: Min. 15/32" Plywood Deck designed by others

Vapor Barrier: 30# Asphalt Saturated organic felt paper in compliance with ASTM D226, Type I or Type II.



Roof Panel Fire Rating:

Panel has a Class B fire exposure rating in accordance with FBC Section 1505.3 without added an additional fire barrier.

Design Procedure:

Based on the dimensions of the structure, appropriate wind loads are determined using Chapter 16 of the FBC 2007 for roof cladding wind loads. These component wind loads for roof cladding are compared to the allowable pressures listed above. 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 and pullover. Support decking & framing must be in compliance with FBC 2007 Chapter 22 for Steel, Chapter 23 for Wood and Chapter 16 for structural loading.

Installation Requirements:

Install the panel system according to the manufacturer's installation instruction.

Quality Assurance Entity:

Keystone Certifications, Inc: FBC #QUA1824

Certificate of Independence:

See uploaded attachments

Authorized Representative:

Terrence E. Wolfe, P.E. #44923

