## EVALUATION REPORT OF UNION CORRUGATING COMPANY '26 GA. ADVANTAGE-LOK II'

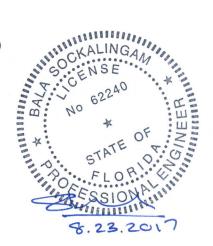
## FLORIDA BUILDING CODE 6TH EDITION (2017) FLORIDA PRODUCT APPROVAL FL 20484.2-R1 ROOFING METAL ROOFING

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This report consists of Evaluation Report (3 Pages including cover) Installation Details (1 Page)

> Report No. C2175-2 Date: 8.23.2017



Manufacturer: Union Corrugating Company

Product Name: Advantage-Lok II Panel

Panel Description: Max. 16" wide coverage with 1" high ribs

Materials: Minimum 26 ga., 50 ksi steel. Galvanized coated steel (ASTM A653)

or Galvalume coated steel (ASTM A792) or painted steel (ASTM

A755).

Deck Description: Min. 7/16" thick OSB or min. 15/32" thick APA rated plywood or

min. 3/4" thick wood plank (min SG of 0.42) for new and existing

constructions. Designed by others and installed as per FBC 2017.

New Underlayment: Minimum underlayment as per FBC 2017 Section 1507.4.5.1.

Required for new construction.

Existing Underlayment:

(Optional)

One layer of asphalt shingles over one layer of #30 felt. For reroofing

construction only.

Slope: 2:12 or greater in accordance with FBC 2017 Section 1507.4.2

Design Uplift Pressure:

(Factor of Safety = 2)

30.0 psf @ panel fastener spacing of 13-7/8" o.c. along seam 63.5 psf @ panel fastener spacing of 9-1/4" o.c. along seam 78.5 psf @ panel fastener spacing of 4-5/8" o.c. along seam

112.5 psf @ seam fastener spacing of 4-5/8" o.c. along seam with

3/16" diameter bead sealant in panel seam

116.0 psf @ seam fastener spacing of 4-5/8" o.c. along seam into min.

15/32" thick APA rated plywood with retainer strap

Panel Attachment: #10-12 pancake head wood screws along panel seam. Fastener shall

be of sufficient length to penetrate through the deck a minimum of

3/8".

Retainer Strap: 5" wide, 24 ga., 50 ksi strap fastened to deck with 2 rows of #10-12 x

1" long pancake head screws at 12" o.c. spacing and 6" staggered. The strap is continuous over the entire corner or edge roof zones. Prior to the panel installation, two rows of 3/8" bead of adhesive are field

applied along the length of the strap.

Seam Sealant: Sikaflex-201 or APS 500 Advance Polymer Sealant. In lieu of

Sikaflex or APS sealant, adhesive/sealant with greater or equal tensile

properties may be used.

Test Standards: Roof assembly tested in accordance with UL580-06 'Uplift Resistance

of Roof Assemblies' & UL1897-04 'Uplift Tests for Roof Covering

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Systems' or TAS 125-03 'Standard Requirements for Metal Roofing

Systems'.

Test Equivalency: The test procedures in UL 1897-04 comply with test procedures

prescribed in UL 1897-12.

Code Compliance: The product described herein has demonstrated compliance with FBC

2017 Section 1507.4.

Product Limitations: Design wind loads shall be determined for each project in accordance

with FBC 2017 Section 1609 or ASCE 7-10 using allowable stress design. The maximum fastener spacing listed herein shall not be exceeded. This evaluation report is not applicable in High Velocity Hurricane Zone. Refer to current NOA for use of this product in High Velocity Hurricane Zone. Fire classification is not within scope of this Evaluation Report. Refer to FBC 2017 Section 1505 and current approved roofing materials directory or ASTM E108/UL790 report

from an accredited laboratory for fire ratings of this product.

Supporting Documents: UL580 & UL1897 Test Reports

PRI Construction Materials Technologies UCC-006-02-1 Rev 1, Reporting Date 2/10/12

TAS 125 Test Report

Farabaugh Engineering and Testing Inc.

Project No. T302-16, Reporting Date 11/16/16, Revised Date 1/18/17 Project No. T303-16, Reporting Date 11/16/16, Revised Date 1/18/17 Project No. T304-16, Reporting Date 11/16/16, Revised Date 1/18/17

