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

FLORIDA BUILDING CODE 6TH EDITION (2017) FLORIDA PRODUCT APPROVAL FL 25960.1 ROOFING METAL ROOFING

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



Report No. C2217-1 Date: 1.31.2018

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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:One layer of asphalt shingles over one layer of #30 felt. For reroofing
construction only.
- Slope:1/4:12 or greater in accordance with FBC 2017 Section 1507.4.2
- Design Uplift Pressure:30.0 psf @ panel fastener spacing of 13-7/8" o.c. along seam(Factor of Safety = 2)63.5 psf @ panel fastener spacing of 9-1/4" o.c. along seam78.5 psf @ panel fastener spacing of 4-5/8" o.c. along seam112.5 psf @ seam fastener spacing of 4-5/8" o.c. along seam112.5 psf @ seam fastener spacing of 4-5/8" o.c. along seam131.5 psf @ seam fastener spacing of 4-5/8" o.c. along seam into min.15/32" thick APA rated plywood with retainer strapPanel 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 and a row of 3/8" bead of adhesive on the male leg of panel.
- Seam Sealant: Sikaflex-201, Bostick 915 or APS 500 Advance Polymer Sealant. In lieu of Sikaflex or APS sealant, adhesive/sealant with greater or equal tensile properties may be used.

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Test Standards: Roof assembly tested in accordance with UL580-06 'Uplift Resistance of Roof Assemblies' & UL1897-04 'Uplift Tests for Roof Covering 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. T267-17, Reporting Date 10/31/17

