EVALUATION REPORT OF UNION CORRUGATING COMPANY '26 GA. 5V PANEL'

FLORIDA BUILDING CODE 6TH EDITION (2017) FLORIDA PRODUCT APPROVAL FL 7271.3-R4 ROOFING METAL ROOFING

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This report consists of Evaluation Report (3 Pages including cover) Installation Details (2 Pages)

> Report No. C2174-3 Date: 8.23.2017



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Manufacturer:	Union Corrugating Company
Product Name:	5V Panel
Panel Description:	24" wide coverage with (5) 1/2" high ribs
Materials:	Minimum 26 ga., 80 ksi steel. Galvanized coated steel (ASTM A653) or Galvalume coated steel (ASTM A792) or painted steel (ASTM A755).
Deck Description:	Min. 19/32" 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.
Underlayment:	Minimum underlayment as per FBC 2017 Section 1507.4.5.1
Slope:	1/2:12 or greater in accordance with FBC 2017 Section 1507.4.2
Design Uplift Pressure: Fastener pattern 1	(Factor of Safety = 2) 120.9 psf @ fastener spacing of 24" o.c.
Fastener pattern 2	85.8 psf @ fastener spacing of 24" o.c. 113.1 psf @ fastener spacing of 12" o.c.
Panel Attachment: Fastener pattern 1 At panel ends At interior	 #9-15 or #10-14 x 1.5" long wood screw with washer (a) max 6" o.c. across panel width through panel flat (a) max 12" o.c. across panel width through panel flat
Fastener pattern 2 At panel ends At interior	 #9-15 or #10-14 x 2" long wood screw with washer (a) max 6" o.c. across panel width through panel flat and rib (a) max 12" o.c. across panel width through panel rib
Test Standards:	Roof assembly tested in accordance with TAS 125-03 'Standard Requirements for Metal Roofing Systems'.
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

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approved roofing materials directory or ASTM E108/UL790 report from an accredited laboratory for fire ratings of this product.

Supporting Documents: TAS 125-03 Test Reports Farabaugh Engineering and Testing Inc. Project No. T164-06, Reporting Date 6/8/06 Hurricane Test Laboratory Report No. 0293-0202-06, Reporting Date 4/5/06 Hurricane Test Laboratory Report No. 0293-0609-05, Reporting Date 8/31/05



