

# TEXAS DEPARTMENT OF INSURANCE

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## PRODUCT EVALUATION RC-329

Effective May 1, 2012

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**. This product shall be subject to reevaluation **May 2016**.*

*This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.*

*This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.*

**5V Crimp Metal Roofing Panels Over Wood Deck** manufactured by

**Fabral, Inc.**  
**A Euramax Company**  
**P.O. Box 4608**  
**Lancaster, Pennsylvania 17604-4608**  
**Telephone: (717) 397-2741**

will be accepted for use in areas along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions and this product evaluation.

## PRODUCT DESCRIPTION

The 5V Crimp metal roofing panel is a 26 gauge metal roof panel. The metal roofing panels have an actual coverage of 24". The 26 gauge metal roofing panels have an 80,000 psi yield point.

## LIMITATIONS

**Roof Deck:** The 5V Crimp metal roofing panels shall be installed over minimum 5/8" thick plywood deck.

**New Roof Deck Attachment:** The wood deck shall meet or exceed the uplift requirements of the International Residential Code or International Building Code and shall be installed as required for resistance to wind loads.

**Design Wind Pressures:** The design pressure uplift load resistance shall be as specified in Table 1.

**Roof Slope:** The metal roofing panels may be installed on roofs with a minimum roof slope is 3:12.

**Installation Over an Existing Roof Covering:** Not permitted.

**Table 1**

Attachment of 26 gauge 5V Crimp metal roofing panels to  
Minimum 5/8" thick Plywood Deck

<b>Design Wind Pressure</b>	<b>Fastener Pattern</b>	<b>Fastener Spacing Along Length of Panel</b>
-52.5 psf	2"-9"-2"-9"	3'-0" o.c.

**INSTALLATION INSTRUCTIONS**

**General:** The 5V Crimp metal roofing panels shall be installed in accordance with the manufacturer's recommended installation instructions and this evaluation report.

**Deck:** Minimum 5/8" thick plywood deck

**Underlayment (optional):** Minimum one layer of No. 30 (Type II) asphalt felt shall be used. The underlayment used shall comply with ASTM D 226, ASTM D 4869, or ASTM D 1970. The felt shall be installed with minimum 6-inch side laps and 3-inch head laps. The underlayment shall be applied with corrosion resistant fasteners in accordance with manufacturer's installation instructions. Fasteners shall be applied along the overlaps not farther apart than 36 inches on center.

**Anchorage:** The panels shall be fastened in accordance with Table 1 with (1) #14-10 x 1½ inch, Type A, HWH with 5/8" outer diameter steel washer with bonded neoprene washer or 9-15 x 1½ inch longlife or #1 x 1½ inch Woodmac with sealing washer. The fasteners shall be long enough to penetrate completely through the wood structural panels with a minimum exposure of 1/4 inch below the underside of the wood structural panels.

**Trims, Closures, and Accessories:** Components, such as the eave trim, rake trim, ridge trim, hip trim, and valley trim shall be installed as required by the manufacturer.

**Note:** The manufacturer's installation instructions shall be available on the job site during the installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.