

## Product Evaluation

RV83 | 0919

Engineering Services Program

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 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.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

**Evaluation ID:** RV-83

**Effective Date:** September 1, 2019

**Re-evaluation Date:** September 2023

**Product Name:** Ross Series 150CM Roof Vent

**Manufacturer:** Ross Manufacturing, LLC  
155 Spire Lane  
New Braunfels, TX 78132  
(830) 543-0175

### General Description:

The Ross Series 150 curb mounted roof vent is made of polypropylene with heat stabilizers and UV inhibitors throughout the vent. The roof vent measures 26" by 26" by 10-1/2" high. The vent is secured to a wood curb that is secured to the roof framing.

### Limitations:

**Design Pressure:**  $\pm 112.5$  psf

**Roof Slope:** The roof vent may be installed on roofs with a flat slope and any slope up to a maximum slope of 16:12.

### Installation:

#### General Installation Instructions:

All requirements specified in the IRC and the IBC must be satisfied and manufacturer's installation instructions followed, unless otherwise specified by this product evaluation.

**Roof curb:** The roof curb consists of a minimum of 2 x 6 Southern Yellow Pine dimension lumber.

**Installation:**

**Attachment of the Wood Curb to Roof Framing:** The roof deck must be minimum 15/32" plywood. The wood curb is secured to the roof deck with minimum No. 14 x 2-1/2" flat head wood screws. Along each side of the curb, locate a fastener at each corner and at the midpoint. The fasteners must be long enough to penetrate completely through the roof deck.

**Attachment of Vent to Curb.:** The polypropylene flashing is secured to the roof curb with 1-1/4" long x 0.120 shank diameter x 3/8" head diameter ring shank roofing nails. There are eight (8) nails on the top of vent, one in each corner of the flashing and one located at midspan on each side of the vent. On the sides, there are twelve (12) nails, three per side, one located on each side of the corners and one at midspan on each side.

**Note:** Keep the manufacturer's installation instructions available on the job site during the installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.