

Product Evaluation

RV46 | 0524

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-46

Effective Date: May 1, 2024

Re-evaluation Date: May 2028

Product Name: The Edge Vent Installed Over an OSB Wood Structural Panel Roof Deck

Manufacturer: Air Vent, Inc.
4117 Pinnacle Point Drive
Suite 400
Dallas, TX 75211
(214) 630-7377

Private Label: TopShield 4-Foot Shingle Over Roof Top Intake Vent (PN: 83000TS) – equivalent to Air Vent Edge Vent

General Description:

The Edge Vent is manufactured from molded plastic. The Edge Vent measures 11-1/2" wide x 48" long x 9" high. The vent provides 9 square inches net free area per linear foot. There are pre-formed nail holes on each side of the vent.

Limitations:

Design Pressure: -67.5 psf

Roof Slope: The minimum roof slope for the system is 3:12.

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. The Edge Vent must be installed in accordance with the manufacturer's recommended installation instructions with the following exceptions:

Deck: The shingle over ridge vent must be installed onto a minimum 3/8" thick OSB wood structural panel roof deck.

Preparation: A 3/4" wide slot must be cut 5" up from the drip edge in the roof deck. Slots must terminate 6" from inside of end walls and 12" from hip ridges. For roofs with valleys, the slots must terminate 6" from inside of end walls and 12" from the valleys.

Fasteners: The ridge vent must be fastened along each edge to the roof deck with minimum 1-3/4" long, smooth shank, galvanized roofing nails (nominal shank diameter = 0.125"; head diameter = 3/8"). Each four-foot section of vent must have a minimum of ten (10) nails located in each pre-formed hole. The nails must be spaced using the holes provided on the Edge Vent. The nails must be of sufficient length to penetrate completely through the roof sheathing. Underlayment must be applied over the Edge Vent. The starter course and first course of shingles are applied over the underlayment. Nails must not be applied in the slot location.

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