

Product Evaluation

RV60 | 0920

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-60

Effective Date: September 1, 2020

Re-evaluation Date: September 2024

Product Name: Hip Ridge™ Vent Shingle Over Hip Vents Installed Over a Plywood Structural Panel Roof Deck

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

General Description:

The Hip Ridge Vent is a shingle over ridge vent for diagonal hips. The vents are manufactured from modeled plastic material. The Hip Ridge Vent is 14.25" wide x 48" long x 0.8" high. The vent incorporates molded end plugs, a weather filter, and two extruded sealing gaskets that are fastened to the underside of the vent.

Limitations:

Design Pressure: -247.5 psf

Roof Slope: The shingle over ridge vents may be installed on roofs with slopes from 3:12 to 16:12.

Installation:**General Installation Instructions:**

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

Roof Deck: The shingle over ridge vent must be secured to a solidly sheathed roof deck. The roof deck must be minimum nominal 15/32" thick plywood wood structural panels.

Preparation: On a new roof, cut slots in the roof deck at locations as specified by the product manufacturer. The slots must be a maximum of 3" wide for rafter roof framing and a maximum of 1-1/2" wide for roof trusses. On existing roofs, first remove the cap shingles from the hips. Follow the opening width requirements for new roofs. Follow the product manufacturer's installation instructions for preparing the Hip Ridge Vent installation.

Installation: The Hip Ridge Vent must be fastened along each edge of the vent to the roof deck with minimum 1-3/4" long, 0.12" diameter, galvanized ring shank roofing nails. The nails must be spaced using the pre-modeled holes provided on the Hip Ridge Vent. One (1) fastener is required in each of the pre-modeled holes. The fasteners must be of sufficient length to penetrate into and through the roof deck. Cap shingles must be installed directly over the Hip Ridge Vent using minimum 1-3/4" long, 0.12" diameter, galvanized ring shank roofing nails spaced approximately 8" on center along each edge of the cap shingle. Two (2) fasteners are required per cap shingle. The nails must be of sufficient length to penetrate into and through the roof deck.

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.