TDI | Texas Department of Insurance

PO Box 149104 | Austin, TX 78714 | 1-800-578-4677 | tdi.texas.gov

Product Evaluation

RV122 | 0421

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-122

Effective Date: April 1, 2021
Re-evaluation Date: April 2025

Product Name: VIPER RIDGE VENT™ Shingle Over Ridge Vents

Manufacturer: Keene Building Products
2926 Chester Ave
Cleveland, OH 44114
(877) 514-5336

General Description:
VIPER RIDGE VENT™ Roof Vent System by Keene Building Products is a patented, light weight roof venting system consisting of a ridge vent and intake vent that work hand in hand to provide industry leading performance, while providing a best-in-class visual aesthetic. VIPER RIDGE VENT™ is a patented, light weight, ridge vent that provides an industry leading 15 square inches of net free vent area (NFVA) per linear foot (15 in2/LF).

The roof vent is an 11" wide x 0.625" in height tangled mesh vent with filter fabric. The vent is available in 50 ft, 20 ft, and 4 ft stick lengths.

Limitations:
Design Wind Pressure: -165 psf

Roof Slope: The roof vent must be installed on roofs with a minimum slope of 2:12 and a maximum slope of 18:12.

Installation:

General: The ridge vents must be installed in accordance with installation instructions published by the product manufacturer and this evaluation report.

Roof Deck: The roof deck must solidly sheathed with minimum nominal 15/32" thick plywood. A 1" wide continuous slot must be cut in the roof sheathing on each side of the ridge board for rafter framed roofs. A 1" wide continuous slot must be cut in the roof sheathing on each side of the ridge line for truss framed roofs.

Installation: The vent is secured to the roof deck with 0.120" x 1-3/4" long galvanized ring shank nails. The fasteners penetrate through the asphalt ridge shingles, through the vent, and into the roof deck. The fasteners must be long enough to penetrate completely through the roof deck. The asphalt ridge shingles are installed with a 5-5/8" exposure. Fasteners are installed four (4) per shingle, 1" and 2" in from each end and 6" up from the shingle butt.

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