

Product Evaluation

RV103 | 0620

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-103

Effective Date: June 1, 2020

Re-evaluation Date: June 2024

Product Name: Aviator™ Ridge Vent

Manufacturer: Liberty Plastics, Inc.
705 Pennsylvania Ave S
Minneapolis, MN 55426
(800) 828-6114

General Description:

The Aviator™ Ridge Vent is a 4' injection-molded ridge vent and is made of no-break polypropylene. The dimensions are 4' x 15-3/4" x 1". It features vent slots running along the top side of the vent on each edge to allow air to be exhausted from the living structure. Additionally, there is a series of ribs on the underside of the vent to provide structural support and allow the vent to lay flat on the ridge of the roof. The side edges of the vent are curved similar to that of an airplane to create a pressurized effect that draws air out of the attic.

Two versions of the product are offered: one version with a filter and one without. The filter is attached to the underside of the vent in the center and spans the length of the vent. The purpose of the filter is to prevent snow and debris from entering the attic.

Limitations:

Design Wind Pressure: -89 psf

Roof Slope: The ridge vents must be installed on roofs with a minimum slope of 3:12 and a maximum slope of 16:12.

Installation:

General Installation Instructions: All requirements specified in the IRC and the IBC must be satisfied and the manufacturer's installation instructions followed unless otherwise specified by this product evaluation. This ridge vent must be installed in accordance with the installation instructions published by Liberty Plastics, Inc. and this product evaluation report.

Roof Deck: The roof deck consists of plywood with a minimum thickness of 7/16". A continuous 2" slot must be cut in the roof sheathing.

Anchorage: The ridge vent is secured to the roof deck with 10d x 3" ring shank nails spaced at 23-1/8" on center on either side of the ridge through the nail line. Additionally, the ridge vent is secured with two (2) 10d x 3" ring shank nails through the ridge cap shingles spaced 5" on center on both sides of the ridge slot. The edges of the vent that meet the shingle are sealed with silicone. The roof assembly utilized a fully shingled roof deck below the ridge vent.

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.