

Product Evaluation

RV90 | 0519

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-90

Effective Date: May 1, 2019

Re-evaluation Date: May 2023

Product Name: Low Profile Ridge Vents

Manufacturer: Mueller, Inc.
Metal Buildings, Roofing, and Components
1913 Hutchins Avenue
Ballinger, TX 76281
(800) 527-1087

General Description:

The Low Profile Ridge Vent is a roof vent that is installed on the ridge of a metal roof system over a solid substrate or open framing. The vent provides natural ventilation for an enclosed attic space in residential construction. The vent is 26-gauge steel with a 23-5/8" coverage and is 10' long.

Limitations:

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

Design Pressure: + 25 psf/-80 psf

Roof Slope: There is no minimum or maximum roof slope.

Metal Roof System: The vent must be installed over a minimum 26-gauge metal roof system. The metal roof system must meet or exceed the requirements of the IRC or IBC.

Roof Substrate: The vent must be installed over minimum 7/16" OSB (Oriented Strand Board), minimum 1 x 4 Southern Yellow Pine (SYP) wood purlins, or minimum 16-gauge steel framing. The roof substrates must meet or exceed the requirements of the IRC or IBC.

Installation Instructions:

General Installation Requirements: The Low Profile Ridge Vent must be installed in accordance with the manufacturer's installation instructions and this product evaluation.

Anchorage:

Low Profile Ridge Vent to Minimum 7/16" OSB: 10-14 X 2-1/2" Woodtite screws with sealing washer (or approved equal) at 12" on center on both sides of the vent. The screws must be long enough to penetrate through the roof deck a minimum of 1/4".

Low Profile Ridge Vent to Minimum 1 x 4 SYP Wood Purlins: 10-14 x 2-1/2" Woodtite screws with sealing washer (or approved equal) at 12" on center on both sides of vent. The screws must be long enough to penetrate through the roof deck a minimum of 1/4".

Low Profile Ridge Vent to minimum 16-Gauge Steel Framing: 1/4-14 x 2" HWH SD screws with sealing washer (or approved equal) at 12" on center on both sides of vent. The screws must be long enough to penetrate through the framing a minimum of three threads.

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.