

Product Evaluation

RV01 | 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-01

Effective Date: May 1, 2019

Re-evaluation Date: May 2023

Product Name: Roll Vent® and Rapid Ridge® Shingle Over Ridge Vents

Manufacturer: Benjamin Obdyke, Inc.
400 Babylon Road
Suite A
Horsham, PA 19444
(877) 647-8368

Brand Names: TAMKO Roll Vent
TAMKO Roofing Products, Inc.
220 West Fourth Street
P.O. Box 1404
Joplin, MO 64802

EcoVent
EcoStar LLC
42 Edgewood Drive
Holland, NY 14080

General Description:

Roll Vent®: The Roll Vent® is a continuous, under-the-shingle ventilator used to provide natural ventilation for an enclosed attic in residential construction. The Roll Vent® quickly rolls onto the

roof over a cut slot, providing continuous airflow along the ridge. The Roll Vent® must be hand nailed. The Roll Vent® is 10-1/2" wide and 15/16" thick. It is available in rolls of 20' and 50' and is typically cut-to-length cut on the job. The Roll Vent® is manufactured of a flexible nylon matrix fabric with a non-woven nylon-polyester fabric weather barrier.

Rapid Ridge®: The Rapid Ridge® is a continuous, under-the-shingle ventilator used to provide natural ventilation for an enclosed attic in residential construction.

The Rapid Ridge® quickly rolls onto the roof over a cut slot, providing continuous airflow along the ridge. The Rapid Ridge® vent has a low-profile design that can be installed with a nail gun. The Rapid Ridge® is 10-1/2" wide and 5/8" thick. It is available in rolls of 20' and 50' and is typically cut-to-length cut on the job. The Rapid Ridge® is manufactured of a flexible nylon matrix fabric with a non-woven nylon-polyester fabric weather barrier.

Limitations:

Design Wind Pressure: -320 psf (**Roll Vent**)

Design Wind Pressure: -380 psf (**Rapid Ridge**)

Roof Slope: The Roll Vent® and the Rapid Ridge® roof ventilators must be installed on roofs with a minimum slope of 3:12 and a maximum slope of 18:12. For hip roof applications, the maximum roof slope must not exceed 12:12.

Installation:

General: The Roll Vent® and the Rapid Ridge® roof ventilators must be installed in accordance with "Application & Architectural Drawings," published by Benjamin Obdyke, Inc. and this evaluation report.

Roof Deck: The roof deck must consist of wood structural panels with a minimum thickness of 3/8" for plywood and a minimum of 7/16" for OSB. A continuous slot must be cut in the roof sheathing. For the Roll Vent®, the minimum nominal width of the slot, measured horizontally, must be 1-3/4" on each side of the roof ridge. For the Rapid Ridge®, the minimum nominal width of the slot, measured horizontally, must be 1-1/2" on each side of the roof ridge.

Fasteners: Asphalt shingles must be installed over the ridge vents. The asphalt shingles and the ridge vent must be secured to the roof deck with roofing nails (nominal 0.125" smooth shank diameter, 0.410" diameter head). For the Roll Vent®, minimum 2-1/2" long nails must be used. For the Rapid Ridge®, minimum 1-3/4" long nails must be used. The fasteners must be long enough to penetrate through the roof deck. The fasteners must be located on each side of the ridge vent and spaced near each end of the ridge vent and at 5" on center along the length of the ridge vent.

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.