

Product Evaluation

RV19 | 0220

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-19

Effective Date: February 1, 2020

Re-evaluation Date: February 2024

Product Name: Cobra® Exhaust Vent for Roof Ridge

Manufacturer: GAF
1 Campus Drive
Parsippany, NJ 07054
(800) 766-3411
technicalquestions@gaf.com

General Description:

Cobra® Exhaust Vent for Roof Ridge is made from ultraviolet ray stable material. It is a single layer non-fabric covered coil ridge vent made of modified polyester non-woven, non-wicking, fiber-based matting of three-dimensional construction. Cobra® Exhaust Vent for Roof Ridge (Hand Nail Application) is 10-1/2" wide by nominal 3/4" thick. Cobra® Exhaust Vent for Roof Ridge (Gun Nail Application) is 10-1/2" wide by nominal 5/8" thick. Cobra® Exhaust Vent for Roof Ridge is available in 20' and 50' rolls.

Limitations:

Design Pressure: -300 psf (Hand Nail Application), -360 psf (Nail Gun Application)

Roof Slope: The minimum roof slope for the venting system is 2:12. The maximum roof slope is 20:12.

Hip Roofs: Do not install the Cobra® Exhaust Vent for Roof Ridge on hip roofs.

Installation Instructions:

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.

Roof Deck: The roof deck must consist of minimum 7/16" thick OSB wood structural panels.

Cutting Ridge Slots: Begin by removing the existing cap shingles (this should not be necessary on new construction). Determine the location of the cuts in the roof sheathing and snap a chalk line. The Cobra® Exhaust Vent for Roof Ridge is installed over a 1-3/4" wide opening on each side of the ridge board (1" on each side of the peak for truss framed roofs) with uncut openings of 6" at each end. Wider openings will not improve ventilation and should be avoided. Cut away the shingles (not required for new construction) first with a roofing knife, and then cut the deck with a circular saw. The saw should be adjusted so that the rafters or trusses are not cut.

Note: The roof decking must be re-nailed to the rafter at the edge closest to the ridge to compensate for the nails removed when the ridge slot was cut.

Ridge Vent Application:

Hand Nail Application: The Cobra® Exhaust Vent for Roof Ridge is then covered with ridge cap shingles and this entire assembly is nailed to the sheathing with the included 2-1/2" long galvanized steel roofing nails (Smart Nails™) with a 0.125" diameter shank and 0.395" diameter by 0.015" thick head. Smart Nails™ are in compliance with the Texas Department of Insurance requirements for corrosion resistance. The ridge cap shingles are installed per the shingle manufacturer's instructions with a minimum of two nails per shingle and a shingle to shingle nail spacing of 8" on center or less. Do not overdrive the Smart Nails™ or crush/compact the product during installation. Leave at least a 3/4" space between the ridge cap shingles and the roof shingles. Shorter lengths of the ridge vent can be joined by caulking and butting the ends.

Nail Gun Application: The Cobra® Exhaust Vent for Roof Ridge (Nail Gun Application) is installed in the same manner as above with the exception of the fastener type. This vent is supplied with pneumatic galvanized roofing nails. The supplied pneumatic galvanized roofing nails are compliant with the Texas Department of Insurance requirements for corrosion resistance. The fasteners measure 1-3/4" long, 0.122" shank diameter and 0.366" head diameter. Do not overdrive the pneumatic nails or crush/compact the product during installation. Leave at least a 5/8" space between the ridge cap shingles and the roof shingles.

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.