

Cobra[®] Exhaust Vent

Texas Department of Insurance Product Evaluation Report

Updated: 5/09



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TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION RV-19

Effective May 1, 2009

*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 shall be subject to reevaluation **November 2012**.*

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.

Cobra Exhaust Vent for Roof Ridge, as manufactured by

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will be accepted for use in designated catastrophe areas along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions and this product evaluation.

PRODUCT DESCRIPTION

Cobra Exhaust Vent for Roof Ridge is made from ultra violet 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 ½ inches wide by ¾ inch thick. Cobra Exhaust Vent for Roof Ridge (Gun Nail Application) is 10 ½ inches wide by ½ inch thick.

LIMITATIONS

Design Wind Pressure: -280 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.

INSTALLATION INSTRUCTIONS

General Installation Requirements:

All requirements specified in the International Residential Code (IRC) and the International Building Code (IBC) must be satisfied and manufacturer's installation instructions followed, unless otherwise specified by this product evaluation.

Cobra Exhaust Vent for Roof Ridge Installation:

Roof deck: The roof deck shall consist of minimum of 7/16 inch thick OSB wood structural panels.

INSTALLATION INSTRUCTIONS (Continued)

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 ½ inch wide opening (1 inch for truss framed roofs) on each side of the ridge board with uncut openings of 6 inches 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 ½ inch long galvanized steel roofing nails (Smart Nails) with a 0.125 inch diameter shank and 0.395 inch diameter by 0.015 inch thick head. The nails are spaced 5 inches on center, two nails per ridge cap shingle, unless more nails are specified by the shingle manufacturer. Do not drive nails home. Leave at least a ¾ -inch space between the ridge cap shingles and the roof shingles. Fastener heads shall be covered with asphalt sealant. The vent ends are open. Shorter lengths of the ridge vent are joined by caulking and butting the ends.

Gun Nail Application: The Exhaust Vent for Roof Ridge (Gun Nail 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 and an enclosed gun adopter. The fasteners measure 1 ¾" long, 0.122" shank diameter and 0.366" head diameter.

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC); the International Building Code (IBC); and the Texas Revisions.