

Product Evaluation

RV81 | 0524

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-81

Effective Date: May 1, 2024

Re-evaluation Date: May 2028

Product Name: Formed Ridge Vents (ShingleVent II, Multi-Pitch Filtervent, ABC Supply Venturi Ridge Vent, Continuous Ridge Vent (CRV), and VenturiVent Plus) and Rolled Ridge Vents (Peak Performer I and II, VenturiVent Roll, Attic Aire Roll, and RidgeHawk)

Manufacturer: Air Vent, Inc.
4117 Pinnacle Point Drive
Suite 400
Dallas, TX 75211
(214) 630-7377

Private Label: The ABC Supply Venturi Ridge Vent is sold under the private label ABC Supply.
TRI-BUILT 4-foot Ridge Vent with Filter (Equivalent to Air Vent ShingleVent II)
TRI-BUILT 4-foot Ridge Vent (Equivalent to Air Vent VenturiVent Plus)
TRI-BUILT Unfiltered Rigid Roll Ridge Vent (Equivalent to Air Vent Peak Performer I)
TRI-BUILT 20-foot Ridge Hawk Mesh Roll Vent
TopShield SHFVBLTS 4-foot Ridge Vent with Filter (Equivalent to Air Vent ShingleVent II)
TopShield SHFVBLNTS 4-foot Ridge Vent with Filter and Nails (Equivalent to Air Vent ShingleVent II with Nails)
TopShield 84719TS 4-foot Ridge Vent (Equivalent to Air Vent VenturiVent Plus)

General Description:

This evaluation report includes the following static and motorized roof vents.

Product	Product Type	Length
ShingleVent II	Molded Plastic, Shingle-Over Ridge Vent	4 ft
Multi-Pitch FilterVent	Aluminum Ridge Vent	8 ft and 10 ft
ABC Supply Venturi Ridge Vent	Shingle-Over Ridge Vent	4 ft
Continuous Ridge Vent (CRV)	Aluminum Ridge Vent	8 ft and 10 ft
VenturiVent Plus	Molded Plastic, Shingle-Over Ridge Vent	4 ft
Peak Performer I	Molded Plastic, Shingle-Over Ridge Vent in Roll (Unfiltered)	28 ft
Peak Performer II	Molded Plastic, Shingle-Over Ridge Vent in Roll (Filtered)	28 ft
VenturiVent Roll	Molded Plastic, Shingle-Over Ridge Vent in Roll (Unfiltered)	20 ft
Attic Aire Roll	Molded Plastic, Shingle-Over Ridge Vent in Roll (Unfiltered)	20 ft
RidgeHawk	Rolled Ridge Vent	20 ft and 50 ft

Limitations:

- **ShingleVent II, ABC Supply Venturi Ridge Vent, VenturiVent Plus:** These products must be installed on roofs with a minimum roof slope of 3:12 and a maximum roof slope of 16:12.
- **Multi-Pitch Filtervent, Continuous Ridge Vent, Peak Performer I, Peak Performer II, VenturiVent Roll, Attic Aire Roll:** These products must be installed on roofs with a minimum roof slope of 3:12 and a maximum roof slope of 12:12.
- **RidgeHawk:** These products can be installed on roofs with a minimum roof slope of 3:12 and a maximum roof slope of 18:12.

Installation:**General Instructions:**

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

ShingleVent II, ABC Supply Venturi Ridge Vent, VenturiVent Plus:

Design Pressure: -300 psf

Roof Deck: Minimum 3/8" plywood deck

Attachment of Roof Vent to Roof Deck: The roof vent must be secured to the roof deck through the pre-formed holes along both sides of the vent. Fasteners must be minimum 2" long, 12-gauge smooth shank roofing nails. The fasteners must be located 1" from each end and 16" on center along both sides. The fasteners must be long enough to penetrate into and through the

roof deck. Asphalt cap shingles must be nailed over the vent in accordance with the shingle manufactures installation instructions. The same fasteners used for the vent must be used for the cap shingles.

ShingleVent II, ABC Supply Venturi Ridge Vent, VenturiVent Plus:

Design Pressure: -300 psf

Roof Deck: Minimum 3/8" OSB or plywood deck

Attachment of Roof Vent to Roof Deck: The roof vent must be secured to the roof deck through the pre-formed holes along both sides of the vent. Fasteners must be minimum 3" long, ring shank nails with a 3/8" diameter head and a 0.12" shank diameter. The fasteners must be located 1" from each end and 16" on center along both sides. The fasteners must be long enough to penetrate into and through the roof deck. Asphalt cap shingles must be nailed over the vent in accordance with the shingle manufactures installation instructions. The same fasteners used for the vent must be used for the cap shingles.

Multi-Pitch FilterVent, Continuous Ridge Vent (CRV):

Design Pressure: -160 psf

Roof Deck: Minimum 3/8" plywood deck

Attachment of Roof Vent to Roof Deck: The roof vent must be secured to the roof deck through the pre-formed holes along both sides of the vent. Fasteners must be minimum 2" long, 12-gauge, smooth shank roofing nails. The fasteners must be located 2" from each end and 6" on center along both sides. The fasteners must be long enough to penetrate into and through the roof deck. Asphalt cap shingles must be nailed over the vent in accordance with the shingle manufactures installation instructions. The same fasteners used for the vent must be used for the cap shingles.

Peak Performer I and II, VenturiVent Roll, Attic Aire Roll:

Design Pressure: -300 psf

Roof Deck: Minimum 3/8" plywood deck

Attachment of Roof Vent to Roof Deck: The roof vent must be secured to the roof deck through the pre-formed holes along both sides of the vent. Fasteners must be minimum 1-5/8" long, minimum 0.120" diameter, ring shank nails. The fasteners must be located 1-1/4" from each end and 10" on center along both sides. The fasteners must be long enough to penetrate into and through the roof deck. Asphalt cap shingles must be nailed over the vent in accordance with the shingle manufactures installation instructions. The same fasteners used for the vent must be used for the cap shingles.

RidgeHawk:

Design Pressure: -350 psf

Roof Deck: Minimum 3/8" OSB deck

Attachment of Roof Vent to Roof Deck: The roof vent must be secured to the roof deck through the pre-formed holes along both sides of the vent. Fasteners must be minimum 1-5/8" long, minimum 1/8" shank diameter, ring shank nails with a 3/8" diameter head. The fasteners must be located approximately 4" from each end and at least 4" on center along both sides of the ridge

line. The fasteners must be long enough to penetrate into and through the roof deck. Asphalt cap shingles must be nailed over the vent in accordance with the shingle manufacturer's installation instructions. The same fasteners used for the vent must be used for the cap shingles.

Note: Keep the manufacturer's installation instructions available on the job site during the installation. Use corrosion resistant fasteners as specified in the IRC and the IBC.