

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION RV-20

Effective June 1, 2004
Revised July 1, 2006

*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 3 years after the effective date.*

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.

Roof Ventilators manufactured by

Air Vent, Inc.
4117 Pinnacle Point Drive
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Dallas, Texas 75211
(214) 630-7377

also sold under the private label **Owens Corning Ventsure®** are accepted for use in designated catastrophe zones along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions and this product evaluation.

PRODUCT DESCRIPTION

The Air Vent RV-40 low profile ventilator is manufactured in either aluminum or galvanized steel; the dimensions are: 14 inches wide by $16\frac{3}{4}$ inches deep by $4\frac{1}{16}$ inches high. **The RV-50** louvered attic ventilator consists of one piece domed construction and is also manufactured in aluminum or galvanized steel; the dimensions are: $16\frac{3}{4}$ inches wide by $18\frac{3}{4}$ inches deep by $4\frac{1}{8}$ inches high. **The RV-51** Owens Corning Ventsure VTS452 (aluminum) and VTS552 (galvanized) is a louvered static vent that is manufactured in either aluminum or galvanized steel; the dimensions are: 15 inches wide by $16\frac{3}{4}$ inches deep by $3\frac{5}{8}$ inches high. **The RV-55** Owens Corning Ventsure VTS555 galvanized attic vent is a slant back attic louver that is manufactured in either aluminum or galvanized steel: the dimensions are: $15\frac{7}{16}$ inches wide by $20\frac{5}{16}$ inches deep by 5 inches high. **The RV-61** is a heavy duty molded plastic (polypropylene) material with an aluminum screen. The dimensions are $16\frac{1}{4}$ inches wide by $19\frac{1}{2}$ inches deep by $4\frac{1}{4}$ inches high.

LIMITATIONS

Design Wind Pressure:

-75 psf (Model Numbers RV-40, RV-50, RV-51 (VTS452 & VTS552) and RV-61).
-93.6 psf [model Number RV-55 (VTS555)]

For All Applications: The Air Vent roof ventilators shall be installed on all roof slopes with the exception of the RV-51 and RV-55. The RV-51 (VTS452 & VTS552) is limited to a maximum roof slope of 12:12. The RV 55 (VTS555) shall be installed on roof slopes greater than 2:12.

INSTALLATION INSTRUCTIONS

General Installation Instructions:

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.

Deck:

The roof deck shall consist of wood structural panels with a minimum thickness of $\frac{15}{32}$ inch.

Exception: For RV-55 (VTS555) models, the roof deck shall consist of wood structural panels with a minimum thickness of $\frac{3}{8}$ inch.

Application:

Install vents by placing the upper portion of the vent flashing underneath the overlapping shingle and lower portion on top of the roof shingles, centering the vent throat over the hole prepared for the vent.

Fasteners:

The vent shall be attached to the deck with a minimum of eight $\frac{1}{8}$ inch diameter galvanized roofing nails, $1\frac{1}{4}$ inch long smooth shank, $\frac{3}{8}$ inch diameter head. Fasteners should be located at each corner and center of each side.

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) and the International Building Code (IBC).