



Product Evaluation

RV100 | 0417

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-100

Effective Date: April 1, 2017

Re-evaluation Date: June 2020

Product Name: ACME PV Hurricane Fans

Manufacturer: ACME Engineering and Manufacturing Corp.
1820 N. York St.
Muskogee, OK 74403
(918) 684-0501

General Description:

ACME PV fans are aluminum powered roof ventilators designed to exhaust air from an enclosed building. These fans may be used to exhaust clean air only.

Limitations:

- All IRC and the IBC requirements must be satisfied and manufacturer's installation instructions followed, unless otherwise specified by this product evaluation.
- The products shown in this evaluation report must not be installed on a pitched, sloped or vertical (wall) mounting surface.
- The maximum design pressure is: +53/-112 psf.
- The maximum fan size: PV220 (46.5" diameter by 78.4" tall).

Installation:

- The hurricane fans must be installed in accordance with this report, the approved drawings and the applicable building codes and wind load standards adopted by the TDI.
- **Drawings:** The units must be installed in accordance with Drawing No. 686760, Rev. E, titled 'PV Hurricane Fans', sheets 1 through 3 of 3, dated March 3, 2017, prepared by ACME Engineering and Manufacturing Corp. and signed and sealed by Joseph A. Reed, P.E. on March 7, 2017.
- The PV Hurricane Fans must be inspected by a Texas licensed professional engineer appointed as a qualified inspector. The engineer must verify that the roof structure has been designed to accommodate the weight of the unit and that the wind load reactions are transferred from the unit to the ground. Any deviations from the approved drawings regarding the installation of the fans must be designed by the engineer. The approved drawings must be available at all times on the jobsite during installation.

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.