

## Product Evaluation

RV57 | 0723

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-57

**Effective Date:** July 1, 2023

**Re-evaluation Date:** July 2027

**Product Name:** Solar Star (Roof Mounted Attic Fan) RM-1500 and RM-2400

**Distributor:** SOLATUBE  
2210 Oak Ridge Way  
Vista, CA 92081-8341  
(888) 765-2882

### General Description:

The vents are comprised of a steel base that form the flashing and vent stack. The base of the hood is constructed of plastic with a grille type underside for venting purposes. The top of the hood is constructed of steel and contains the solar panel, fan, and fan housing system. The fan motor with a press-fit fan blade is mounted to the interior face of the top panel with four(4) machine screws with sealing washers. The plastic fan grill with integral mounting ring is attached to the top panel with four(4) steel stand-offs fastened at each end with steel rivets. The plastic fan grill is with the attached fan and solar panel assembly is attached to the top of the flashing with four(4) sheet metal screws.

### Limitations:

**Design Pressure:** +33 / -110 psf

**Roof Slope:** 1/4: 12 minimum; 12:12 maximum

**Product Dimensions:**

System	Size
Flash Pan	25-3/8" x 25-3/8"
Hood Size	21-1/2" Diameter Top x 23-5/8" Bottom
Stack Size	18" base Diameter
Fan Collar	12" Diameter

**Impact Resistance:**

System	Impact Resistant	Requirements
1	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

**Installation:**

System		
1	Type of Installation	Flashing
	DP	+33 psf / -110 psf
	Deck	Nominal 1/2" plywood
	Fasteners	No. 10 x 2" long flashing screws through pre-drilled holes.
	Fastener Location/Spacing	4" on center through the pre-drilled holes in the flashing into 1/2" plywood deck.

**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.