

Solar-Powered Attic Ventilator

Product Evaluation SRS-24

Effective January 18, 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 3 years after the effective date.

This product evaluation is not an endorsement of this product or a recommendation that this product be used. SunRise Solar Incorporated 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 the licensed engineer of his responsibilities to determine the individual municipal codes that may apply to such product application.

Solar Roof Ventilators

Manufactured by:

SunRise Solar Inc.
P.O. Box 53
St. John, IN 46373
(219) 558-2211
(219) 306-4571

but sold under the brand name "**SunRise™**" are accepted in designated catastrophe zones along coastal areas of the United States when installed in accordance with the manufacturer's installation instructions and this product evaluation.

PRODUCT DESCRIPTION

The "**SunRise™**" vents indicated in this product evaluation consist of solar-powered vents made of ABS plastic with UV Inhibitor coating. The model and type are as shown below.

Products covered under this evaluation are as follows:

MODEL

FB Series*
CB Series*

TYPE

Solar Roof Vent w/flat base
Solar Roof Vent w/curb base

- *Suffixes on the above model numbers specify 1) Base Style – such as Flat Base, or Curb Base.
- * May be sold with no suffix, but both are ABS Plastic exteriors with Stainless Steel bracket construction. Both model #'s FB and CB are sold in (3) styles including, “SunRise 850”, “SunRise 1050”, and “SunRise 1250”.

General Requirements: (SunRise Model FB)

- **Shank Diameter (Screws):** The shank diameter of wood screws shall be a minimum of 0.138 inch.
- **Specifications:** Wood screws shall conform to ANSI/ASME Standard B18.6-1981.
- **Deck:** The roof deck shall consist of wood structural panels with a minimum thickness of 1/2 inch or solid wood planks, minimum Spruce Pine Fir (SPF), with a minimum nominal thickness of 1 inch.

LIMITATIONS

Design Wind Pressure: -72 psf

For All Applications: The SunRise™ roof ventilators with model numbers starting in “FB” shall be installed on roofs with a minimum slope of 3:12, and a maximum slope of 12:12. The vents with model numbers starting in “CB” shall be installed on roofs with a minimum slope of 0:12 (flat), and a maximum slope of 12:12.

INSTALLATION INSTRUCTIONS

General Installation Instructions:

The manufacturer’s installation instructions and this product evaluation must be followed.

Attachment of Vent: (SunRise™ Model FB).

- Slide vent up and under shingles. Remove interfering shingle nails.
- Screw roof vent in place. Installation should have shingles over the roof vent base at both sides and on top. Vent base should lie on top of shingles on downward side. Roofing cement should be applied to all shingles; all shingle edges, and screw heads.
- Screws shall be of adequate length to penetrate ¾ inch into or through roof sheathing. Maximum spacing shall be 9¼ inches with one screw at each corner.
- The number and location of screws shall be as indicated on drawings included in this evaluation.

Attachment of Vent: (SunRise™ Model CB).

- After installation of curb (see “curb installation sheet”) apply a generous bead of silicone sealant around perimeter of curb top.
- Gently set vent over curb making sure it seals all the way around into sealant.
- Screw roof vent in place using (2) screws per side, (8) total, positioned approximately 3 inches from each corner. Sealant should be applied to all screw heads.
- Screws shall be of adequate length to penetrate ¾ inch into curb material.
- The number and location of screws shall be as indicated on drawings included in this evaluation.

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).

Attachments:

This evaluation shall contain an installation sheet for models FB (flat base model) or CB (curb base model). Evaluation shall be considered incomplete without such documentation.