

## Product Evaluation

RV128 | 0522

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-128

**Effective Date:** May 1, 2022

**Re-evaluation Date:** May 2026

**Product Name:** 4 Seasons 10W; 4 Seasons PRO, 4 Seasons Flat Roof, Solar Powered Roof Vents

**Manufacturer:** Canada Go Green  
11-63 Galaxy Blvd  
Etobicoke, ON, Canada M9W 5R7  
(416) 679-0906

CGG US TECH CORP  
4500 Brass Way  
Dallas, TX 75236  
(214) 377-8921

### General Description:

**4 Seasons 10W:** The solar vent is designed and built for sloped shingle roof applications. The vent works by using the sun's energy to power a fan which pulls excess heat, moisture, and humidity out of the attic. The vent can work as a regular passive vent after sundown. The vent is 17" x 17" x 4.7". It has a brushless DC motor. The housing is polycarbonate and the solar panel is 10W monocrystalline.

**4 Seasons PRO:** The solar vent is designed and built for sloped shingle roof applications. The vent offers extra protection from severe weather. The vent works by using the sun's energy to power a fan which pulls excess heat, moisture, and humidity out of the attic. The vent is excellent

for steep slope applications. The vent is 20.8" x 18.8" x 6". It has a brushless DC motor. The housing is polycarbonate and the solar panel is 10W monocrystalline.

**4 Seasons Flat Roof:** The solar vent is designed and built for flat roof applications. The vent works by using the sun's energy to power a fan which pulls excess heat, moisture, and humidity out of the crawl space. The vent can work as a regular passive vent after sundown. The flashing is made of heavy spun aluminum and features a unique weather resistant shape. Each vent comes with an interior sleeve to prevent condensation build up on the metal. The vent has a flashing diameter of 22", a duct diameter of 11", and a total height of 16". The solar panel is 10W monocrystalline

**Limitations:**

**Design Wind Pressure:**

**4 Seasons 10W:** -225 psf

**4 Seasons PRO:** -255 psf

**4 Seasons Flat Roof:** -210 psf

**Roof Slope:**

**4 Seasons 10W; 4 Seasons PRO**

The vents may be installed on roofs with a minimum slope of 3:12 and a maximum slope of 16:12.

**4 Seasons Flat Roofs**

The vents may be installed on flats roofs that have positive drainage.

**Installation:**

**General:** The vent is installed in accordance with the manufacturer's installation instructions and this evaluation report.

**Roof Deck:** The roof deck must be solidly sheathed with minimum 15/32" plywood.

**4 Seasons 10W:**

**Fasteners:** The vent is secured to the roof deck with eight (8) minimum 12-gauge, 1-1/2" long, ring shank nails. The fasteners must be long enough to penetrate completely through the roof deck. The fasteners must be located on each side of the vent in the preformed fastener locations on the vent.

**4 Seasons PRO:**

**Fasteners:** The vent is secured to the roof deck with ten (10) minimum No. 10 x 1-1/2" long hex head wood screws. The fasteners must be long enough to penetrate completely through the roof deck. The fasteners must be located on each side of the vent in the preformed fastener locations on the vent.

#### **4 Seasons Flat Roof**

**Fasteners:** The vent is secured to the roof deck with twelve (12) minimum 12-gauge, 1-1/2" long, ring shanks nails with a 1" diameter metal cap. The fasteners must be long enough to penetrate completely through the roof deck. The fasteners must be located approximately 1" in from the outer diameter of the flashing and spaced approximately 5" apart around the perimeter of the flashing.

**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.