

Effective Date: Nov 1, 2015

WE KNOW VENTILATION

**WeatherPRO<sup>®</sup> Series**  
by **duraflo<sup>®</sup>**

DURAFLO<sup>®</sup> SECTION 077200 ROOF VENTS



[www.duraflo.com](http://www.duraflo.com)

**canplas<sup>®</sup>**

an *OAllaxis* company

# WeatherPRO®

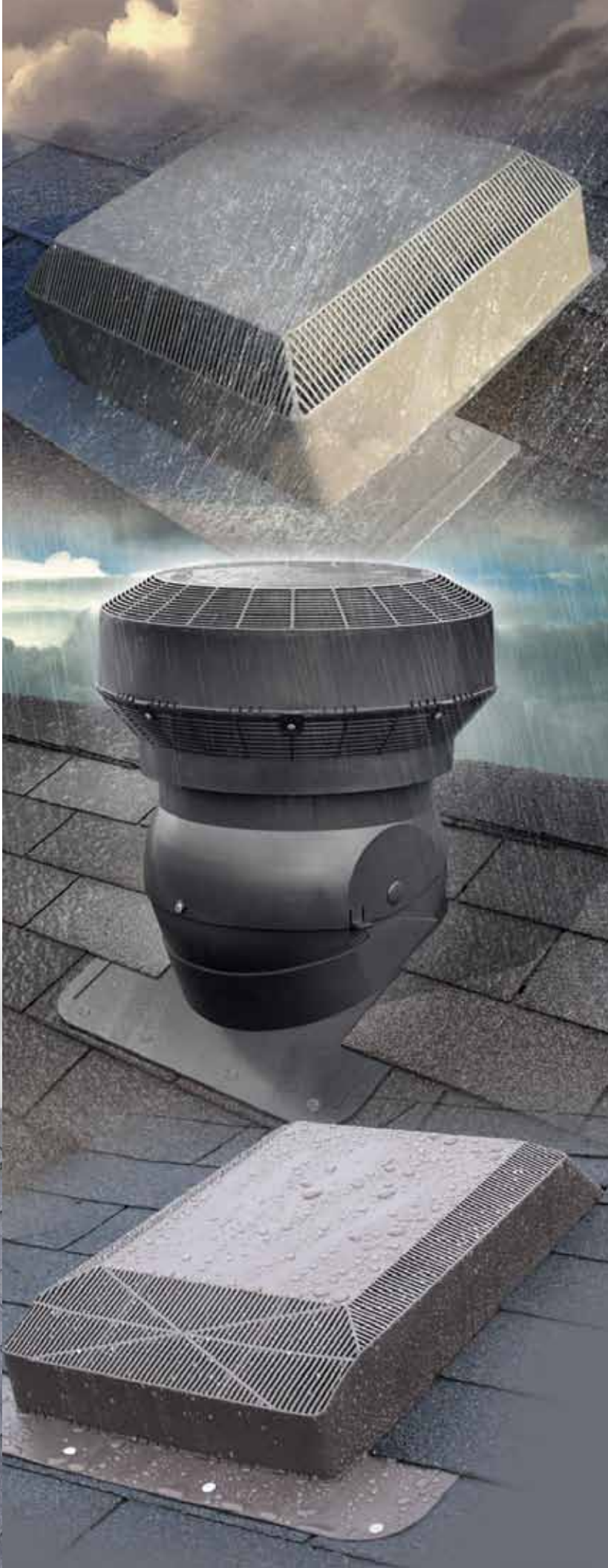
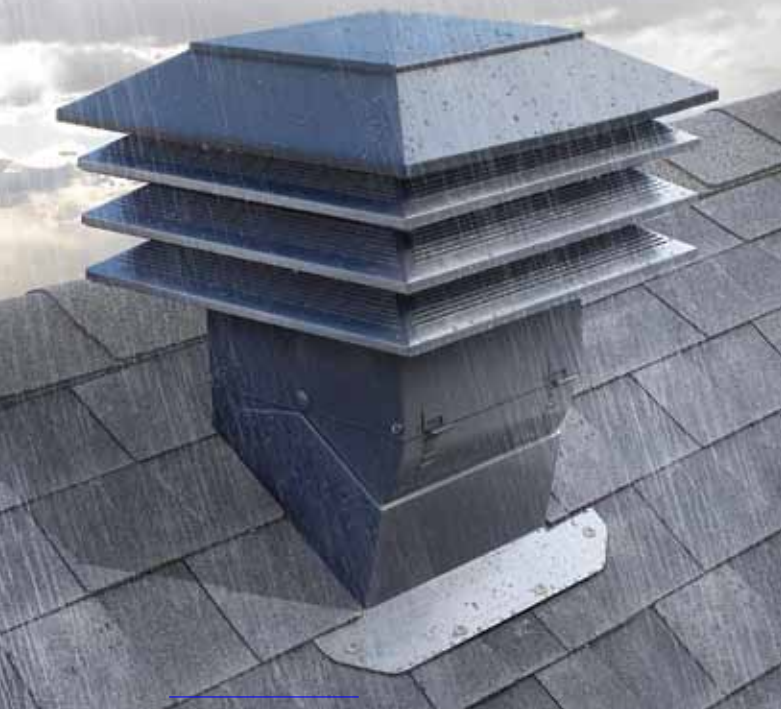
## Series

*Control the Weather*

**Extreme weather conditions across the country has increased the demand for a weather resistant vent. Duraflo has developed the WeatherPRO® Series line of roof vents, which are available now through your local distributor or retail store.**

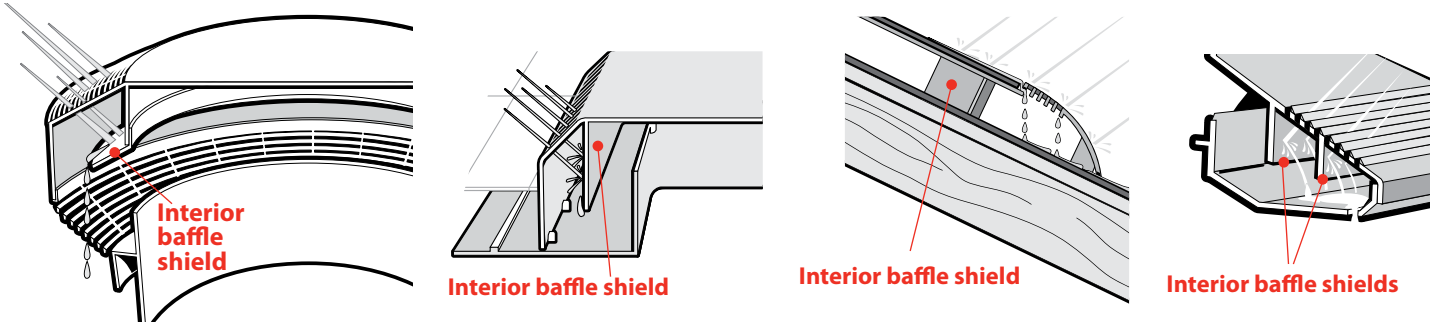
With the WeatherPRO® Series, you no longer need to worry about extreme weather. Designed to allow for high volumes of airflow, while providing excellent defence against weather infiltration, the patented WeatherPRO® internal baffles deflect water and snow allowing for harmless draining out the drainage openings. The WeatherPRO® series also incorporates a patent pending moisture control system which directs precipitation away from the vent openings.

Combining manufacturing quality, with Duraflo WeatherPRO® technology, and a patent pending moisture control system, will ensure the WeatherPRO® Series is the first choice when weather infiltration is an issue.



# WeatherPRO® Upward Venting

The solid sidewalls and upward venting design behind the WeatherPRO® vents have been engineered to increase weather protection while improving ventilation in high wind areas. The solid sidewalls work in part with the interior baffles, providing the first line of defense against driving rain and snow. The solid sidewalls also act to push wind up and over the cap of the vent, as opposed to under, like a traditional roof vent. This airflow over the cap of the vent creates negative pressure to draw air from the attic.

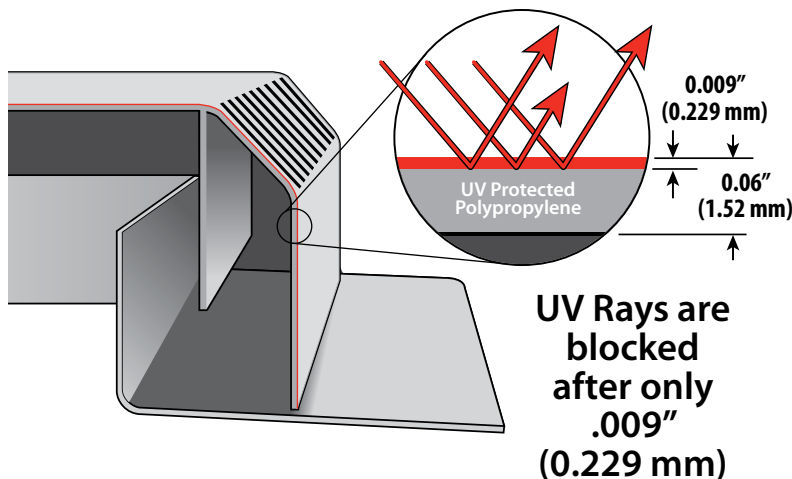


## Material - Cold Impact Tested

The WeatherPRO® line of vents are manufactured from all virgin polypropylene allowing them to withstand the most extreme climates. The material used in manufacturing the WeatherPRO® Series is cold impact tested at -40 degrees. The material remains functional, flexible and resilient to damage even when installed with a nail gun.

## Material & UV Protection

**Injection molded from pure, high grade polypropylene with premium UV inhibitor additives that blocks harmful UV Rays.**



- Over 15 years of accelerated weathering testing
- Customized UV inhibitor package in all molded products
- All colours contain UV inhibitors
- CSA evaluated

Evaluated and passed based on the following criteria:

- ASTM G 155 Accelerated Weathering
- ASTM D 638 Tensile Strength Difference
- ASTM D 2843 Smoke Density Rating
- ASTM D 635 Rate of Burning



# STATIC VENTS - PROVentilator, 1, 2 & 3 Tier Models

**Models:** WeatherPRO® PROVentilators:

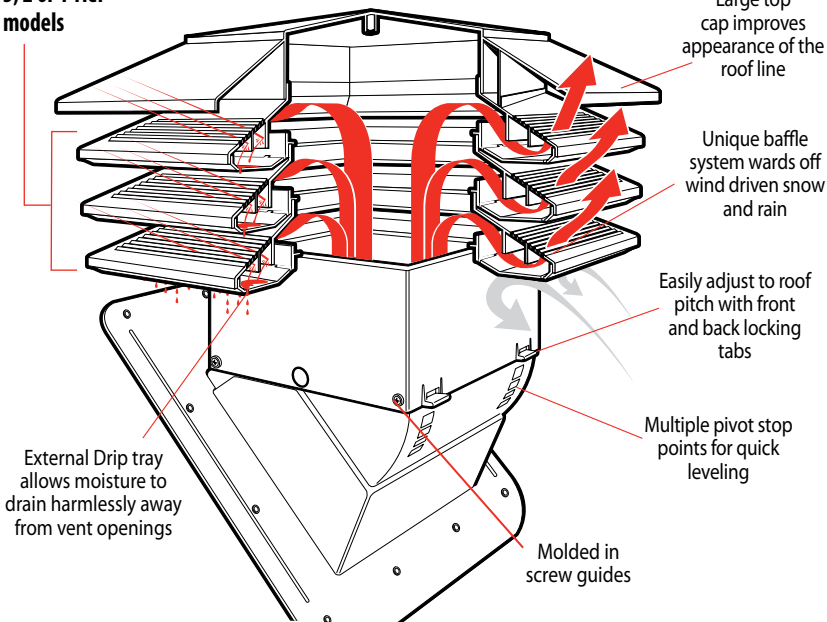
**3 Tier #60PRO150**

**2 Tier #60PRO140**

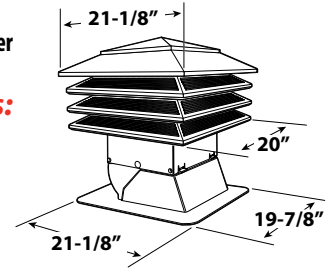
**1 Tier #60PRO130**

	DESCRIPTION	PART #	SIZE - IMPERIAL	SIZE - METRIC		DESCRIPTION	PART #	SIZE - IMPERIAL	SIZE - METRIC		DESCRIPTION	PART #	SIZE - IMPERIAL	SIZE - METRIC
	Black	60PRO150BL	21-1/8" x 21-1/8" x 22"	536 mm x 536 mm x 559 mm		Black	60PRO140BL	21-1/8" x 21-1/8" x 19-1/2"	536 mm x 536 mm x 495 mm		Black	60PRO130BL	21-1/8" x 21-1/8" x 17"	536 mm x 536 mm x 432 mm
	Brown	60PRO150BR				Brown	60PRO140BR				Brown	60PRO130BR		
	Grey	60PRO150G				Grey	60PRO140G				Grey	60PRO130G		
	Weatherwood	60PRO150WW				Weatherwood	60PRO140WW				Weatherwood	60PRO130WW		

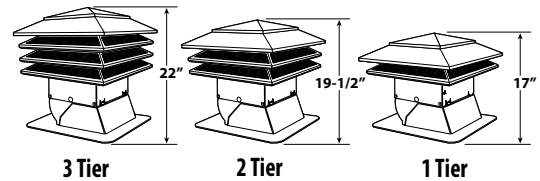
**3, 2 or 1 Tier models**



**3 Tier, 2 Tier & 1 Tier Common Dimensions:**



**Model Heights:**



## Net Free Venting Area

- 3 Tier** 60PRO150 Model: 130 sq-in / 839 sq-cm
- 2 Tier** 60PRO140 Model: 95 sq-in / 613 sq-cm
- 1 Tier** 60PRO130 Model: 48 sq-in / 310 sq-cm

## Description:

- One 3 Tier Model will ventilate 1000 - 1200 sq. ft. of attic space (approx)
- One 2 Tier Model will ventilate 400 - 500 sq. ft. of attic space (approx)
- One 1 Tier Model will ventilate 200 - 300 sq. ft. of attic space (approx)
- Patented internal weather baffles
- The chimney style design allows the PRO Ventilator to harness wind energy and create pressure variances that powerfully draw air out from within the attic space.
- Roof pitch range 3/12 – 12/12
- Injection molded from pure, high grade polypropylene with premium UV inhibitors
- Lightweight , no-assembly design makes for easy handling. Setting the pitch is quick and simple with centralized pivot points, built-in adjustment tabs and pitch stops.

## Approved Certifications

- CSA certified - Plastic Type B roof vents, for installation on sloping surfaces
- Miami Dade High Velocity Hurricane Zone certified



## Durability

- Engineered to resist denting, peeling, extreme heat and cold impact to -40

## Colors Available

Black, Brown, Weatherwood, Grey

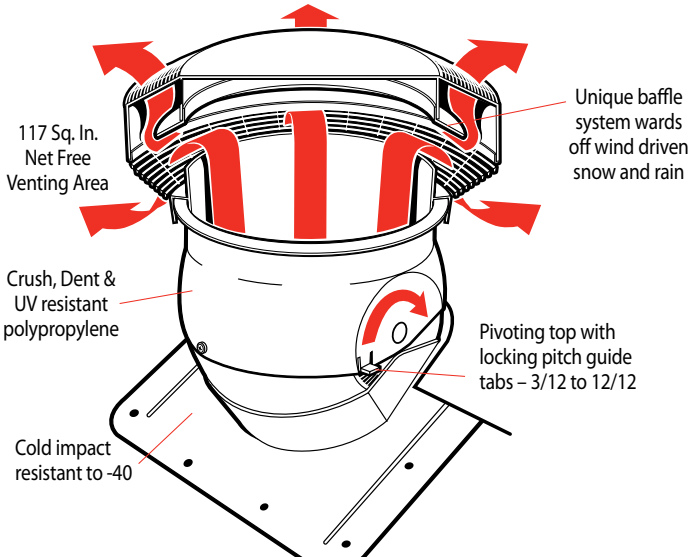
## Weather Protection

WeatherPRO's patented internal baffles deflect water and snow, allowing for harmless draining out the drainage openings. Designed to allow high airflow while providing excellent defense against weather infiltration.

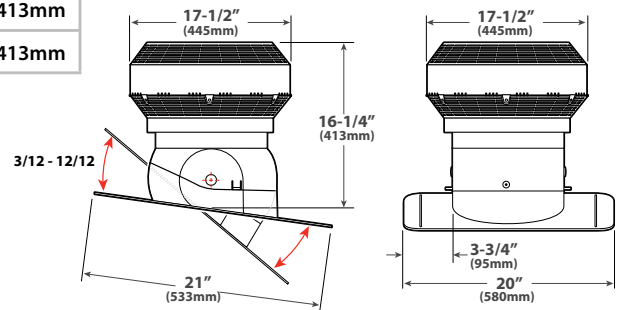
# TURBINE VENTS - PROTURBO

**Model:** WeatherPRO® PROTurbo # 60PRO117

DESCRIPTION	PART #	SIZE	
		IMPERIAL	METRIC
Black	60PRO117BL	17-1/2" x 20" x 16-1/4"	445mm x 508mm x 413mm
Brown	60PRO117BR	17-1/2" x 20" x 16-1/4"	445mm x 508mm x 413mm
Weatherwood	60PRO117WW	17-1/2" x 20" x 16-1/4"	445mm x 508mm x 413mm
Grey	60PRO117G	17-1/2" x 20" x 16-1/4"	445mm x 508mm x 413mm



## Dimensions:



## Net Free Venting Area

117 sq-in / 755 sq-cm

## Description:

- No internal or external moving parts – requires no maintenance
- One Turbo will ventilate 1000 sq ft (93 sq. meters) of attic space (approx) – regardless of wind speed
- Roof pitch range from 3/12 to 12/12
- Large flashing allows for easy installation
- Injection molded from pure, high grade polypropylene with premium UV inhibitors
- Available as a full unit (including base) or as replacement top only
- Lightweight , no-assembly design makes for easy handling. Setting the pitch is quick and simple with centralized pivot points, built-in adjustment tabs and pitch stops.

## Approved Certifications

- CSA certified - Plastic Type B roof vents, for installation on sloping surfaces
- Miami Dade High Velocity Hurricane Zone certified



## Durability

- Engineered to resist denting, peeling, extreme heat and cold impact to -40

## Colors Available

Black, Brown, Weatherwood, Grey

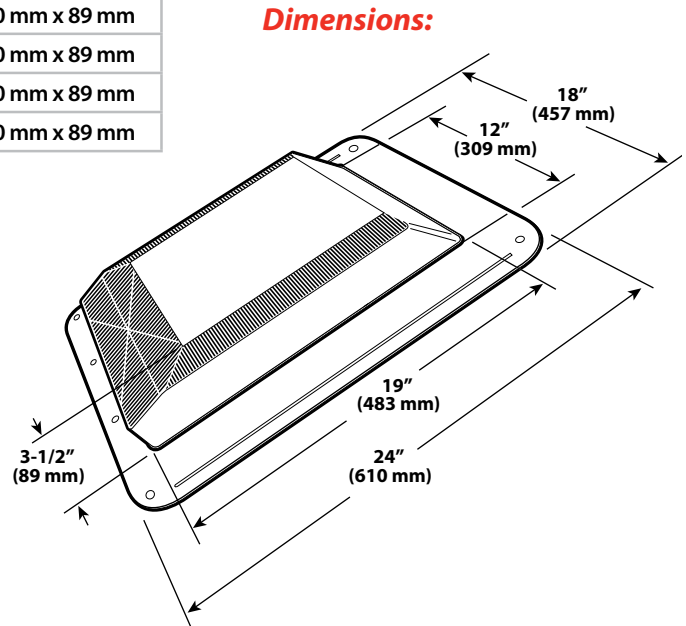
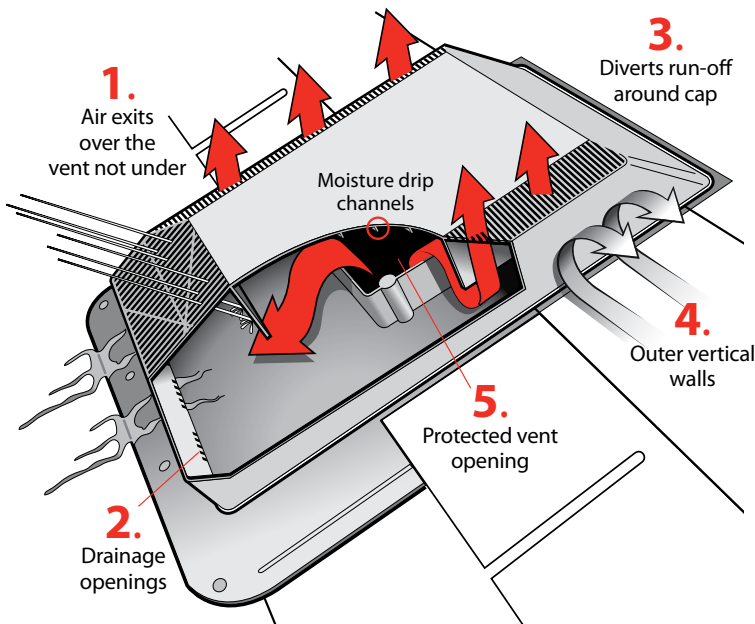
## Weather Protection

WeatherPRO's patented internal baffles deflect water and snow, allowing for harmless draining out the drainage openings. Designed to allow high airflow while providing excellent defense against weather infiltration.

# STATIC VENTS - PROSlantBack

**Model:** WeatherPRO® SlantBack, # 60PRO50SL

DESCRIPTION	PART #	SIZE	
		IMPERIAL	METRIC
Black	60PRO50SLBL	18" x 24" x 3-1/2"	457 mm x 610 mm x 89 mm
Brown	60PRO50SLBR	18" x 24" x 3-1/2"	457 mm x 610 mm x 89 mm
Grey	60PRO50SLG	18" x 24" x 3-1/2"	457 mm x 610 mm x 89 mm
Weatherwood	60PRO50SLWW	18" x 24" x 3-1/2"	457 mm x 610 mm x 89 mm



## Net Free Venting Area

50 sq-in / 322 sq-cm

## Description:

- Patented internal weather baffles
- Five PRO SlantBack's will ventilate 1000 sq. ft. (93 sq. meters) of attic space (approx)
- Roof pitch range 3/12 – 14/12
- Injection molded from pure, high grade polypropylene with premium UV inhibitors
- Top venting design uses chimney effect to channel moist air away from roof eliminating shingle staining
- Vent cap design with built in weeping holes eliminates bird nesting and water pooling
- Unique design allows it to be used as an intake where soffit ventilation is limited or not available

## Approved Certifications

- CSA certified – Plastic Type B roof vents, for installation on sloping surfaces
- Miami Dade High Velocity Hurricane Zone certified NOA# 11-0930.08



## Durability

- Engineered to resist denting, peeling, extreme heat and cold impact to -40

## Colors Available

Black, Brown, Weatherwood, Grey

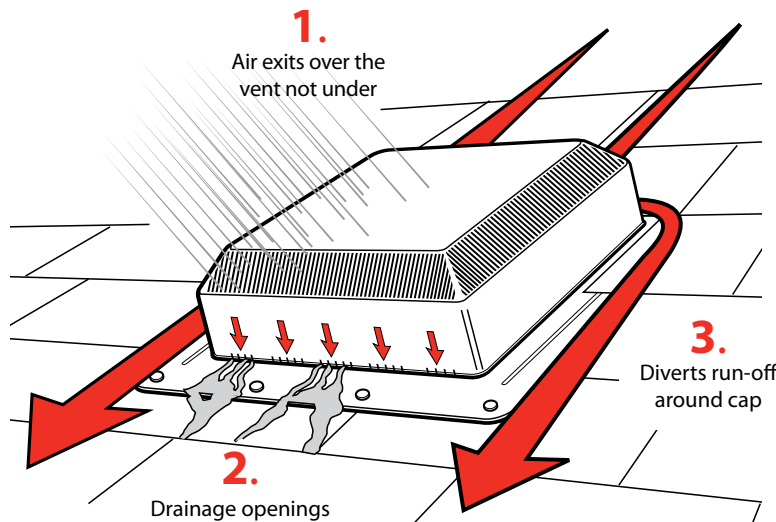
## Weather Protection

WeatherPRO's patented internal baffles deflect water and snow, allowing for harmless draining out the drainage openings. Designed to allow high airflow while providing excellent defense against weather infiltration.

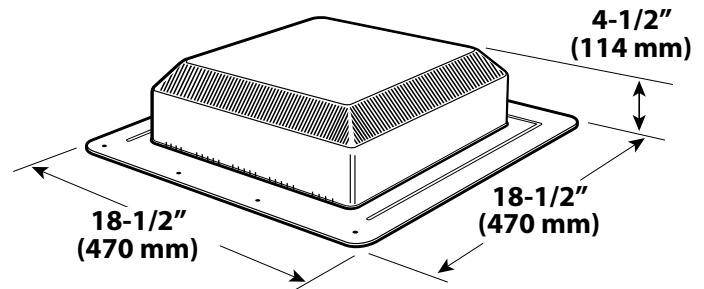
# STATIC VENTS - PRO50

**Model:** WeatherPRO® PRO50, model # 60PRO50

DESCRIPTION	PART #	SIZE	
		IMPERIAL	METRIC
Black	60PRO50BL	18-1/2" x 18-1/2" x 4-1/2"	470 mm x 470 mm x 114 mm
Brown	60PRO50BR	18-1/2" x 18-1/2" x 4-1/2"	470 mm x 470 mm x 114 mm
Grey	60PRO50G	18-1/2" x 18-1/2" x 4-1/2"	470 mm x 470 mm x 114 mm
White	60PRO50W	18-1/2" x 18-1/2" x 4-1/2"	470 mm x 470 mm x 114 mm
Weatherwood	60PRO50WW	18-1/2" x 18-1/2" x 4-1/2"	470 mm x 470 mm x 114 mm



## Dimensions:



## Net Free Venting Area

50 sq-in / 322 sq-cm

## Description:

- Patented internal weather baffles
- Five WeatherPRO PRO50's will ventilate 1000 sq. ft. (93 sq. meters) of attic space (approx)
- Roof pitch range 3/12 – 14/12
- Injection molded from pure, high grade polypropylene with premium UV inhibitors
- Top venting design uses chimney effect to channel moist air away from roof eliminating shingle staining
- Vent cap design with built in weeping holes eliminates bird nesting and water pooling

## Approved Certifications

- CSA certified – Plastic Type B roof vents, for installation on sloping surfaces
- Miami Dade High Velocity Hurricane Zone certified: NOA 04.0401.01



## Durability

- Engineered to resist denting, peeling, extreme heat and cold impact to -40

## Colors Available

Black, Brown, Weatherwood, Gray, White

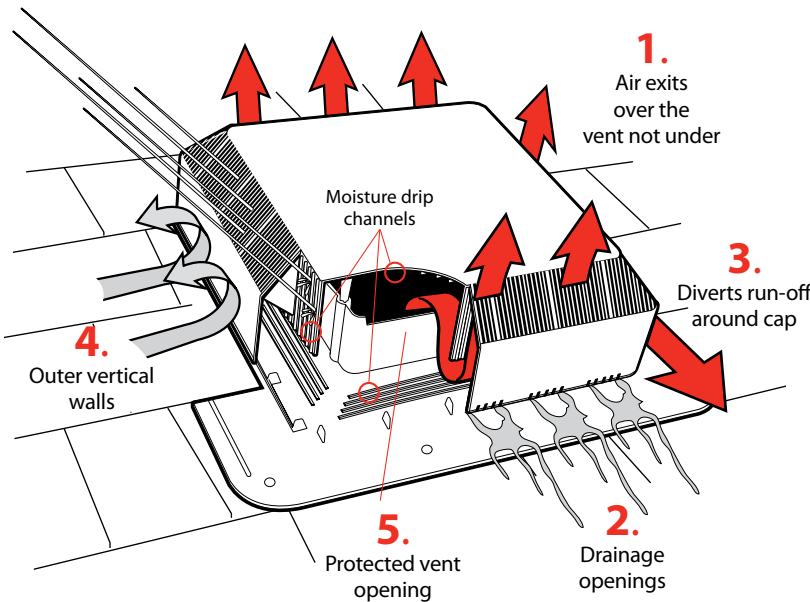
## Weather Protection

WeatherPRO's patented internal baffles deflect water and snow, allowing for harmless draining out the drainage openings. Designed to allow high airflow while providing excellent defense against weather infiltration.

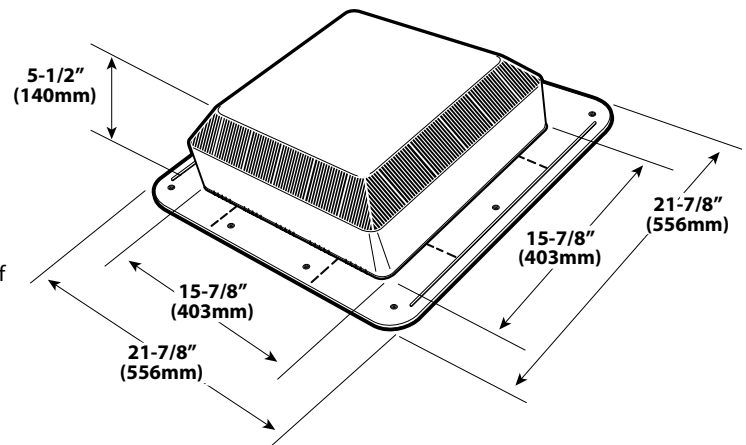
# STATIC VENTS - PRO75

**Model:** WeatherPRO® PRO75, model # 60PRO75

DESCRIPTION	PART #	SIZE	
		IMPERIAL	METRIC
Black	60PRO75BL	21-7/8" x 21-7/8" x 5-1/2"	556 mm x 556 mm x 140 mm
Brown	60PRO75BR	21-7/8" x 21-7/8" x 5-1/2"	556 mm x 556 mm x 140 mm
Grey	60PRO75G	21-7/8" x 21-7/8" x 5-1/2"	556 mm x 556 mm x 140 mm
White	60PRO75W	21-7/8" x 21-7/8" x 5-1/2"	556 mm x 556 mm x 140 mm
Weatherwood	60PRO75WW	21-7/8" x 21-7/8" x 5-1/2"	556 mm x 556 mm x 140 mm



## Dimensions:



## Net Free Venting Area

75 sq-in / 483 sq-cm

## Description:

- Patented internal weather baffles
- Four PRO75's will ventilate 1000 sq ft (93 sq. meters) of attic space (approx)
- Roof pitch range 3/12 – 12/12
- Injection molded from pure, high grade polypropylene with premium UV inhibitors
- Top venting design uses chimney effect to channel moist air away from roof eliminating shingle staining
- Vent cap design with built in weeping holes eliminates bird nesting and water pooling

## Approved Certifications

- CSA certified - Plastic Type B roof vents, for installation on sloping surfaces



## Durability

- Engineered to resist denting, peeling, extreme heat and cold impact to -40

## Colors Available

Black, Brown, Weatherwood, Grey, White

## Weather Protection

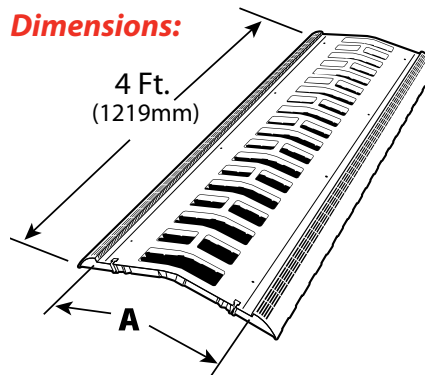
WeatherPRO's patented internal baffles deflect water and snow, allowing for harmless draining out the drainage openings. Designed to allow high airflow while providing excellent defense against weather infiltration.



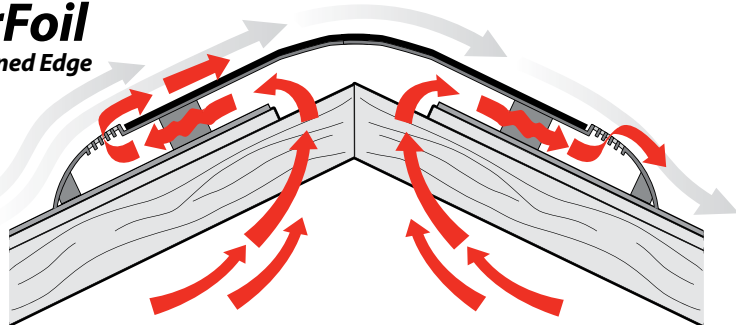
# CONTINUOUS RIDGE VENTS - WeatherPRO® Ridge

**Models:** WeatherPRO PRORidge, • Metric - 6072MET • Imperial - 6073

DESCRIPTION	PART #	A	
		IMPERIAL	METRIC
Metric - Black	6072METBL	12-7/8"	327mm
Metric - Brown	6072METBR	12-7/8"	327mm
Metric - Weatherwood	6072METWW	12-7/8"	327mm
Imperial - Black	6073BL	11-5/8"	295mm
Imperial - Brown	6073BR	11-5/8"	295mm
Imperial - Weatherwood	6073WW	11-5/8"	295mm



## AirFoil Designed Edge



## Net Free Venting Area

18.3 sq-in per linear foot (387 sq-cm per linear meter)

## Description:

- Engineered with AirFoil Technology – based on the Bernoulli principle to maximize air lift
- Four pieces of WeatherPRO® PRORidge vent will ventilate 1000 sq. ft. (93 sq. meters) of attic space (approx)
- Patented internal weather baffle system
- Roof pitch range 3/12 – 12/12
- 4 foot sections, 12 pieces per carton
- Latch connectors on each end, built-in end caps every 3 in/7.6 cm
- Injection molded from pure, high grade polypropylene with premium UV inhibitors
- Available for use with either Metric or Imperial size shingles

## Approved Certifications

- CSA certified - Plastic Type C ridge vent, for installation on roof ridge



## Durability

- Engineered to resist denting, peeling, extreme heat and cold impact to -40

## Colors Available

Black, Brown, Weatherwood

## Weather Protection

WeatherPRO's patented internal baffles deflect water and snow, allowing for harmless draining out the drainage openings. Designed to allow high airflow while providing excellent defense against weather infiltration.

# Ventilation Calculator

## **duraflo**<sup>®</sup> Ventilation Calculator

**A home requires an equal amount of intake (soffit) & exhaust (roof) ventilation.**

Note: Roof pitches under 4/12 require double the amount of ventilation.  
Use this chart to determine how many vents your attic requires.

### Ventilation requirements for your home

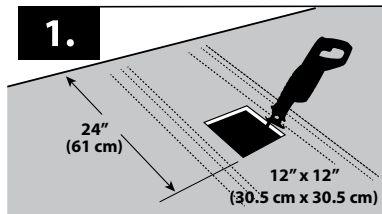
DESCRIPTION	NET FREE AREA OF VENT		NUMBER OF VENTS NEEDED FOR			
			1000 sq. ft. (93 sq. meters)	1500 sq. ft. (139 sq. meters)	2000 sq. ft. (186 sq. meters)	2500 sq. ft. (232 sq. meters)
	IMPERIAL	METRIC	OF ATTIC SPACE			
3 TIER WEATHERPRO PROVENTILATOR	130 Sq. In.	839 Sq. cm	1	2	3	4
2 TIER WEATHERPRO PROVENTILATOR	95 Sq. In.	613 Sq. cm	2	3	4	5
1 TIER WEATHERPRO PROVENTILATOR	48 Sq. In.	310 Sq. cm	4	6	8	10
WEATHERPRO TURBO	117 Sq. In.	755 Sq. cm	1	2	3	4
WEATHERPRO SLANT BACK	50 Sq. In.	322 Sq. cm	5	8	10	12
WEATHERPRO 60PRO50	50 Sq. In.	322 Sq. cm	5	8	10	12
WEATHERPRO 60PRO75	75 Sq. In.	484 Sq. cm	4	5	7	8
WEATHERPRO RIDGE VENTS	72 Sq. In.	465 Sq. cm	4	5	7	10

The included ventilation calculator is only a guide, please consult your local building code for specific ventilation requirements.

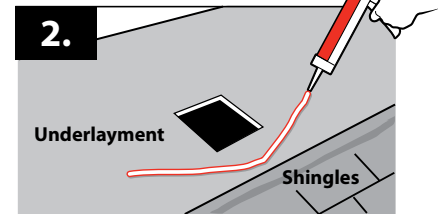
# INSTALLATION - PROVentilator, 1, 2 & 3 Tier Models

## For New Construction

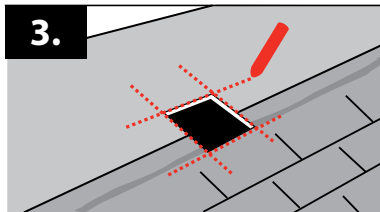
Note: **PROVentilator** placement and the balancing of intake and exhaust venting are extremely important in achieving ideal ventilator performance. For more information on ventilation systems see [Duraflo.com](http://Duraflo.com) or consult the local building code.



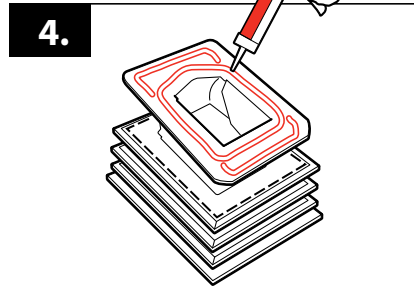
1. Apply underlayment on the sheathing and in the center of the rafters cut a 12" (30.5 cm) square hole. The edge of the hole should be at least 12" (30.5 cm) and no more than 24" (61 cm) from the roof peak.



2. Using a 1/2" (1.3 cm) bead, apply a generous amount of construction sealant to the underlayment in front of hole before applying next shingle course.

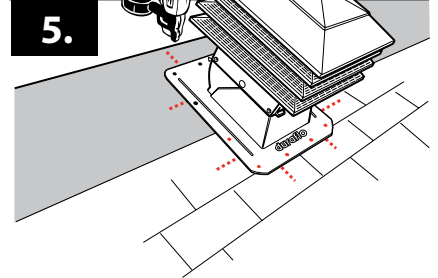


3. Install next shingle course over sealant bead and mark extended chalk lines to help position vent over opening in next step.

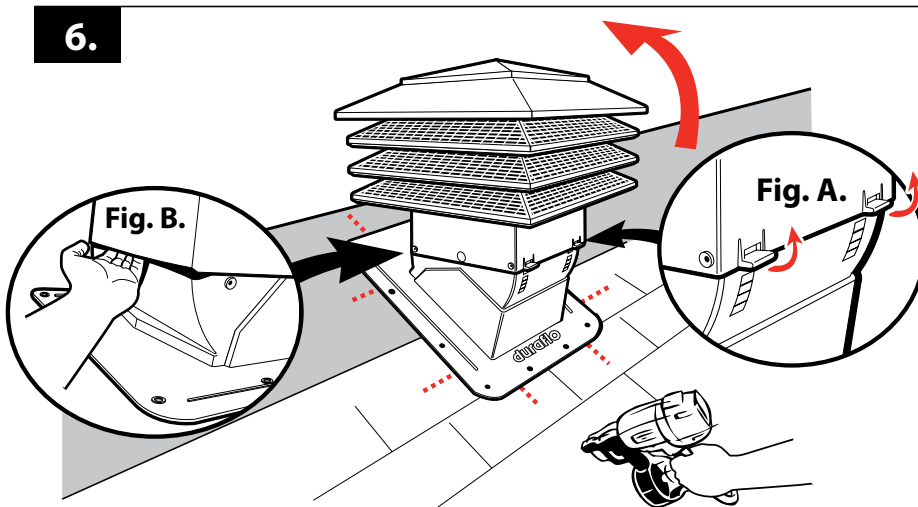


4. Using a 1/2" (1.3 cm) bead, apply a generous amount of construction sealant to the base of the vent.

**Note: Use non-petroleum based sealants only. The use of petroleum based sealants may void any manufactures product warranty.**

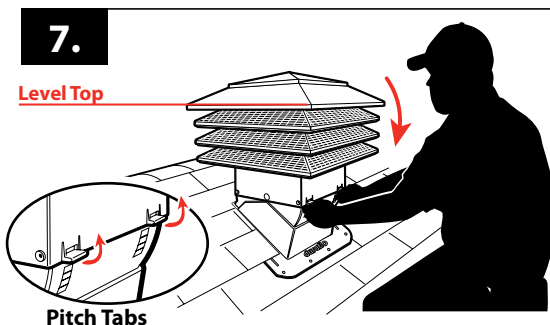


5. Position the roof vent over the cut opening in the roof. Center the vent by aligning edges of the vent throat with the chalk lines previously marked. Using the molded nail indicators, nail the top half of the vent securely into place.

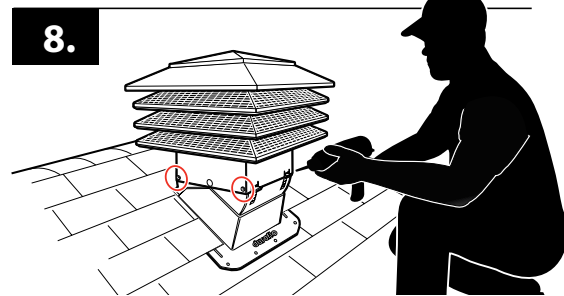


6. Gently lift the pitch calculating tabs (Fig. A.), rotating the top of the unit up to make room for nailing the bottom half of the flange (Note: Ensure the vent throat overlaps (Fig. B)). Using the molded nail indicators, nail the remainder of the vent securely into place.

**Note: For added protection against weather infiltration seal any exposed nail heads.**



7. Using the pitch tabs lower the top of the unit back to desired pitch. **Ensure the top of the unit is level.**

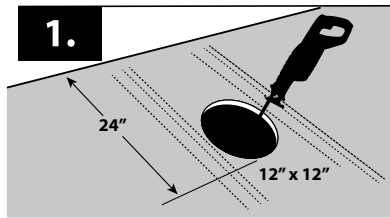


8. Using the 4 screws supplied, secure vent into position as shown.

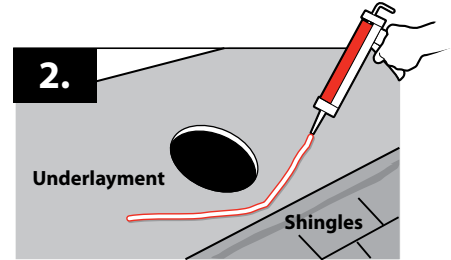
# INSTALLATION - PROTurbo

## For New Construction

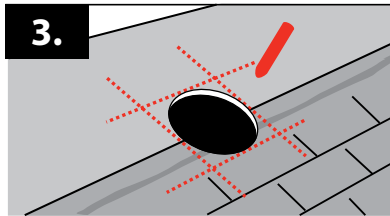
Installation of Duraflo WeatherPRO® PROTurbo should comply with all local standards and regulations. Before beginning a job, determine how much ventilation is required in both soffit and roof vents and what sizes of vent would best suit the job. If required, refer to Duraflo Ventilation Calculator for guidance.



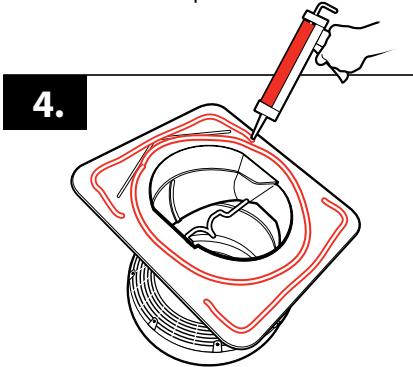
1. Apply underlayment on the sheathing and in the center of the rafters cut a 12" round hole. The edge of the hole should be at least 12" and no more than 24" from the roof peak.



2. Using a 1/2 inch bead, apply a generous amount of construction sealant to the underlayment in front of hole before applying next shingle course.

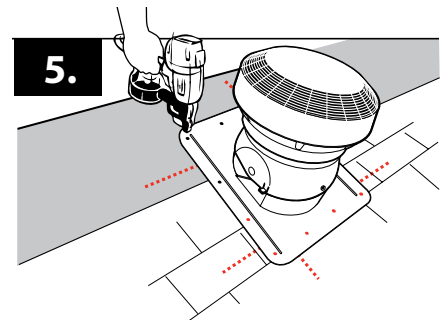


3. Install next shingle course over sealant bead and mark extended chalk lines to help position vent over opening in next step.

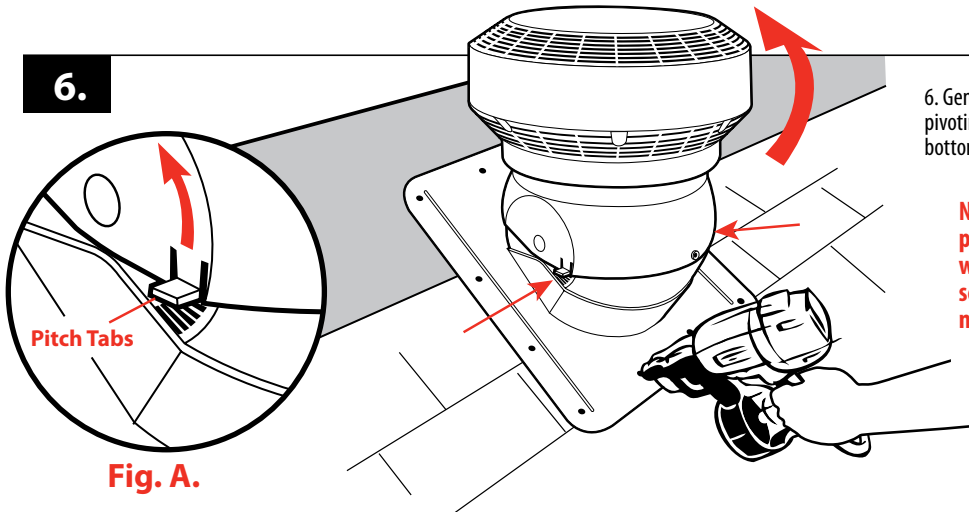


4. Using a 1/2 inch bead, apply a generous amount of construction sealant to the base of the vent.

**Note: Use non-petroleum based sealants only. The use of petroleum based sealants may void any manufactures product warranty.**

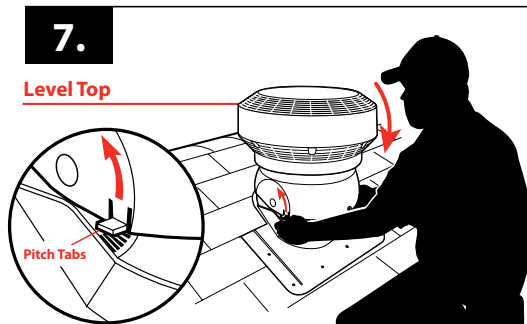
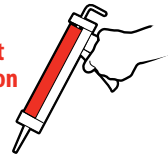


5. Position the roof vent over the cut opening in the roof. Center the vent by aligning edges of the vent throat with the chalk lines previously marked. Using the molded nail indicators, nail the top half of the vent securely into place.

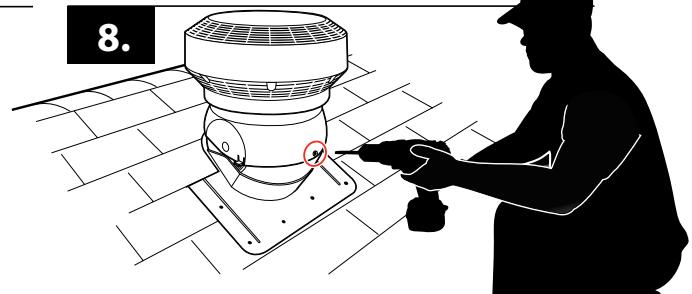


6. Gently lift the pitch calculating tabs (Fig A.), pivoting the top of the unit up to and nail the bottom half of the flange.

**Note: For added protection against weather infiltration seal any exposed nail heads.**



7. Using the pitch tabs pivot the top of the unit to desired pitch. **Ensure the top of the unit is level.**



8. Using the molded in screw guide in front of vent, secure vent into position as shown with 1 screw supplied.

# INSTALLATION - PRO SlantBack

Installation of Duraflo **WeatherPRO® SlantBack Vent** should comply with all local standards and regulations. Before beginning a job, determine how much ventilation is required in both soffit and roof vents and what sizes of vent would best suit the job. If required, refer to Duraflo Ventilation Calculator for guidance.

## For New Construction or Re-Roofing

### 1. Determine the location of vents:

Evenly space the roof vents along the width of the roof, marking the location of all roof vents before cutting holes. Centre the holes between the rafters within two feet (24") (61 cm) from the peak of the roof.

### Cut and prepare the opening:

Cut the holes in the sheathing before applying shingles, cut a 6-1/2" x 8-1/2" (16.5 cm x 21.6 cm) opening. Shingle up until the first full course of shingles covers the bottom of the hole. Cut the excess shingles away from the hole.

### 2. Position the vent and nail the vent in place:

Duraflo Roof Vents have a top arrow indicator. Make sure the throat of the vent is in the proper position centered over the opening. Using the pre-marked nail holes, nail the vent securely into place.

### 3. Complete the shingle installation:

Continue installing shingles, overlapping the flange of the vent. Cut the shingles around the top of the vent to match its shape.

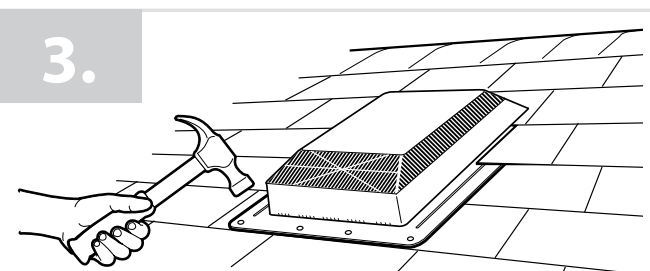
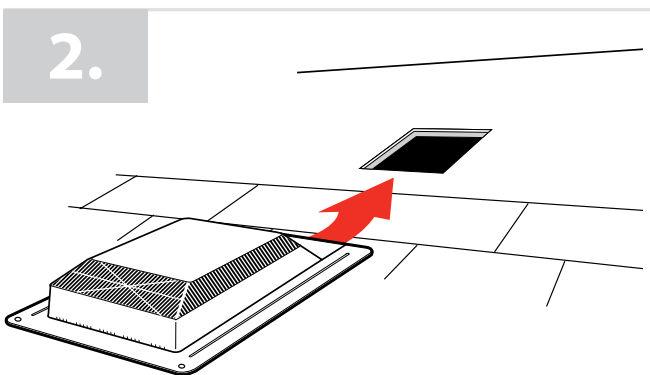
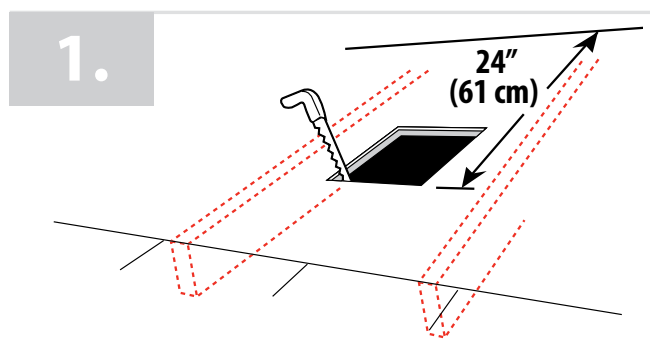
**Caution:** DO NOT USE roofing cement / roofing tar to seal the vent to the roof. The wide flange and molded-in water guards will force the water down the roof over the shingles. The polypropylene flange is large enough and flexible enough to effectively self seal against the roof without the aid of roofing tars. Roofing tars are potentially damaging to the roof vent and the asphalt shingles. Use of roofing tar will void any warranty on the Duraflo Roof Vents. Optional: Seal all nail heads with an approved sealant, such as silicone. Make sure the sealant is a non-petroleum product (usually available in a plastic tube).

6-1/2"  
(16.5 cm)



8-1/2"  
(21.6 cm)

Rough Cut Opening



# INSTALLATION - PRO50 & PRO75

Installation of Duraflor **WeatherPRO® PRO50 or PRO75 Roof Vent** should comply with all local standards and regulations. Before beginning a job, determine how much ventilation is required in both soffit and roof vents and what sizes of vent would best suit the job. If required, refer to Duraflor Ventilation Calculator for guidance.

## For New Construction or Re-Roofing

### 1. Determine the location of vents:

Evenly space the roof vents along the width of the roof, marking the location of all roof vents before cutting holes. Centre the holes between the rafters within two feet (24") (61 cm) from the peak of the roof.

### Cut and prepare the opening:

Cut the holes in the sheathing before applying shingles, for PRO50 cut a 7-1/4" x 7-1/4" (18.4 cm x 18.4 cm) opening, for the PRO75 cut a 9-1/2" x 9-1/2" (24 cm x 24 cm) opening. Shingle up until the first full course of shingles covers the bottom of the hole. Cut the excess shingles away from the hole.

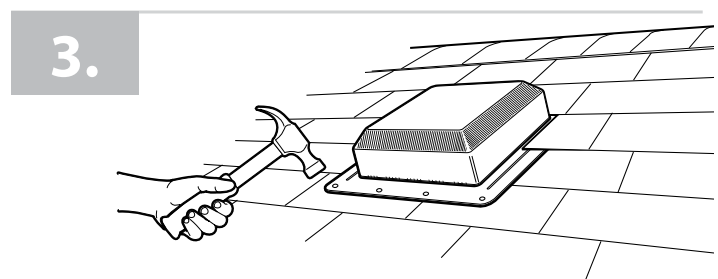
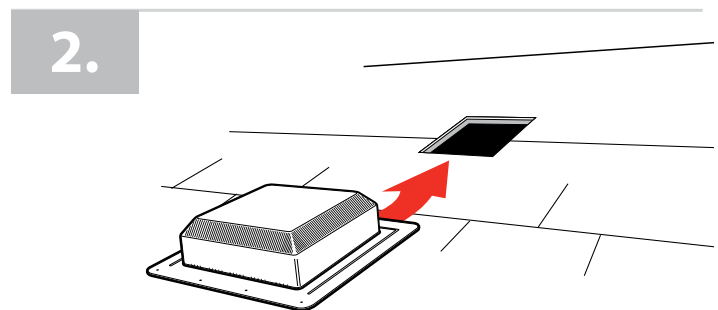
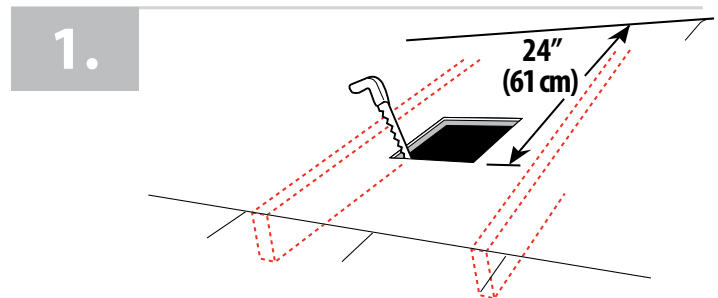
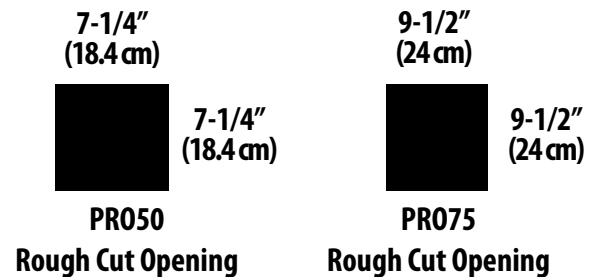
### 2. Position the vent and nail the vent in place:

Duraflor Roof Vents have a top arrow indicator. Make sure the throat of the vent is in the proper position centered over the opening. Using the pre-marked nail holes, nail the vent securely into place.

### 3. Complete the shingle installation:

Continue installing shingles, overlapping the flange of the vent. Cut the shingles around the top of the vent to match its shape.

**Caution:** DO NOT USE roofing cement / roofing tar to seal the vent to the roof. The wide flange and molded-in water guards will force the water down the roof over the shingles. The polypropylene flange is large enough and flexible enough to effectively self seal against the roof without the aid of roofing tars. Roofing tars are potentially damaging to the roof vent and the asphalt shingles. Use of roofing tar will void any warranty on the Duraflor Roof Vents. Optional: Seal all nail heads with an approved sealant, such as silicone. Make sure the sealant is a non-petroleum product (usually available in a plastic tube).



# INSTALLATION - WeatherPRO® RIDGE VENT

Installation of Duraflo **WeatherPRO® PRORidge Vent** should comply with all local standards and regulations. Before beginning a job, determine how much ventilation is required in both soffit and roof vents and what sizes of vent would best suit the job. If required, refer to Duraflo Ventilation Calculator for guidance.

## For New Construction or Re-Roofing

### Step 1.

Cut a slot in sheathing along the ridge 2" (5 cm) wide 1" (2.5 cm) on each side of peak).

If ridge beam is present, cut a slot 1" (2.5 cm) wide on each side of the beam. A closed area of sheathing 12" (30.5 cm) in length should be at both ends of ridge. The 12" (30.5cm) area should be covered to prevent infiltration.

### Step 2.

For step 2 it is recommended a chalk line be used to ensure the ridge vent is installed straight along the roof peak.

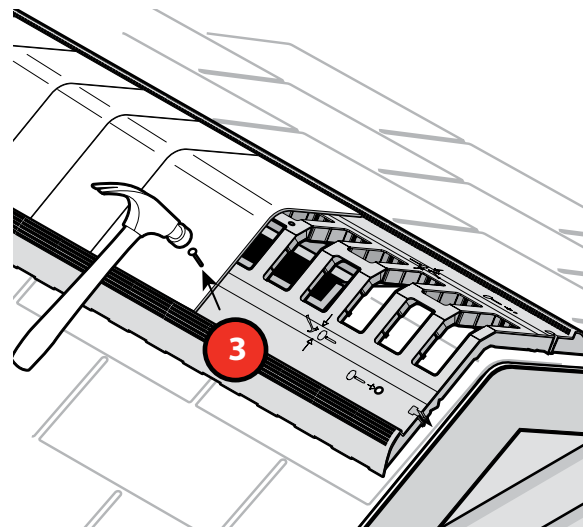
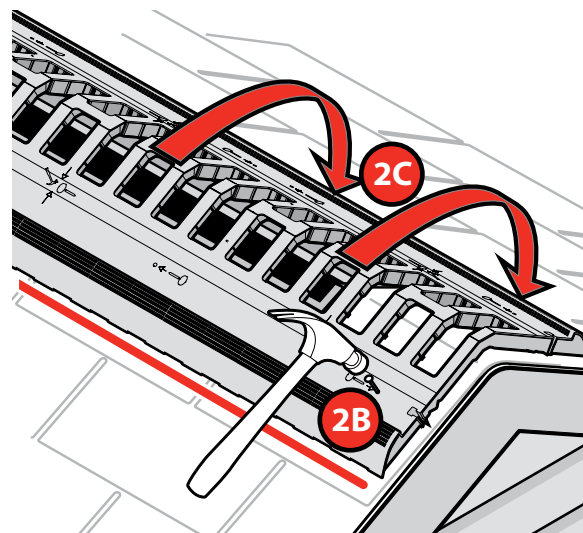
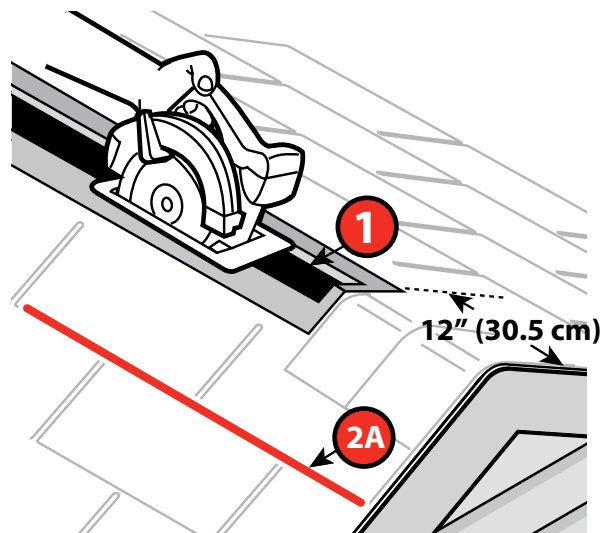
Place the first piece of vent with female end 1/2" (1.3 cm) from the gable end. On one side of the peak fasten the first piece using nails at each end and in middle sections. Fold the vent over the peak and fasten the second side using the same nail pattern. (2" (5 cm) nails are minimum length). Continue installing additional pieces along ridge connecting the female end over the male end.

### Step 3.

When reaching the ridge end, the last vent section may need to be cut to length. There are molded-in end caps every 3" (7.6 cm) on the underside of the ridge vent. Measure and cut amount needed to install to within 1/2" (1.3 cm) of ridge end.

After fastening the ridge vent to the roof peak install ridge caps using a min 2" (5 cm) nail. The ridge caps should be centered on the vent and sit between the outer raised baffle walls.

**Caution: DO NOT USE roofing cement /roofing tar to seal the vent to the roof.** Roofing tars are potentially damaging to the roof vent and the asphalt shingles. Use of roofing tar will void any warranty on the Duraflo Roof Vents. Optional: Seal all nail heads with a non-petroleum based sealant product.



# Specifications

**SPEC NOTE:** See www.arcat.com website for Microsoft Word (editable) document.

**SPEC NOTE:** Canplas LLC and Canplas Industries Ltd. are members of the Aliaxis Group of companies, a global leader of plastic solutions for fluid transport in the field of building materials. The Aliaxis Group provides products for both residential and commercial building markets, in new build and renovation segments, as well as a wide range of solutions for industrial and public utility applications.

## SECTION 077200 - ROOF VENTS

### PART 1 GENERAL

#### 1.1 SECTION INCLUDES

- A. Roof vents of the following types:
  1. Continuous ridge vents. (WeatherPRO Ridge)
  2. Turbine vents. (WeatherPRO Turbo Vent).
  3. Static vents. (WeatherPRO 75)(WeatherPro 50) (WeatherPRO Slant Back) (WeatherPRO PROventilator)

#### 1.2 RELATED SECTIONS

- A. Section 07310 - Asphalt Shingles: Rough-in and installation requirements.

#### 1.3 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
  1. Preparation instructions and recommendations.
  2. Storage and handling requirements and recommendations.
  3. Installation methods.

#### 1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Minimum 5 years experience manufacturing similar products.
- B. Installer Qualifications: Minimum 2 years experience installing similar products.

#### 1.5 PRE-INSTALLATION MEETINGS

- A. Convene minimum two weeks prior to starting Work of this section.

#### 1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver and store products in manufacturer's unopened packaging bearing the brand name and manufacturer's identification until ready for installation.
- B. Handling: Handle materials to avoid damage.

#### 1.7 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.

#### 1.8 SEQUENCING

- A. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.

#### 1.9 WARRANTY

- A. Warranty: Provide manufacturer's standard limited warranty, and as follows:
  1. WeatherPRO Ridge: 35 year limited warranty
  2. WeatherPRO Turbo Vent: 35 year limited warranty
  3. WeatherPRO 75: 35 year limited warranty
  4. WeatherPRO 50: 35 year limited warranty
  5. WeatherPRO Slantback: 35 year limited warranty
  6. WeatherPRO PROventilator: 35 year limited warranty

### PART 2 PRODUCTS

#### 2.1 MANUFACTURERS

- A. **Acceptable Manufacturer:**  
Canplas Industries Ltd.; 500 Veterans Dr.  
P.O. Box 1800, Barrie, ON, Canada  
L4M 4V3. ASD. Toll Free Tel: (800) 461-1771.  
Tel: (705) 726-3361. Fax: (705) 726-2186.  
Email: duraflo@canplas.com  
Web: http://www.canplas.com
- B. **Substitutions:** Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01600.

#### 2.2 ROOF VENTS

- A. Roof ventilation shall be from a single source of Duraflo Roofing Ventilation products manufactured by Canplas Industries Ltd.

#### 2.3 CONTINUOUS ROOF VENTS

- A. **Product: WeatherPRO Ridge** as manufactured by Canplas Industries Ltd.
  1. Design: Internal baffles and drainage openings easily deflect and direct away extreme weather. Airfoil designed edge allows smooth airflow over the ridge line maximizing effective ventilation from the attic space. TriFold flexibility for use on full range of pitches. Code regulated insect grill. Net Free Area: 18.3 sq.in./lin.ft.(387 sq.cm/lin. m).
  2. Miami Dade High Velocity Hurricane Zone certified: NOA 05-0516.06.



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3. CSA certified - Plastic Type C ridge vent, for installation on roof ridge.
4. Construction: Injection molded from pure, high grade polypropylene with premium UV inhibitor additives. Engineered to resist denting, peeling, extreme heat and cold impact to -40 degree F (-40 degree C).
5. Model: Metric – Black (6072METBL).
6. Model: Metric – Brown (6072METBR).
7. Model: Metric – Weatherwood (6072METWW).
8. Model: Imperial – Black (6073BL).
9. Model: Imperial – Brown (6073BR).
10. Model: Imperial – Weatherwood (6073WW).

## 2.4 TURBINE VENTS

- A. **Product: WeatherPRO® Turbo Vent** as manufactured by Canplas Industries Ltd.
1. Design: No internal or external moving parts – requires no maintenance. Internal baffles deflect water and snow, allowing for harmless drainage out the drainage openings.  
Allows high airflow while providing excellent defense against weather infiltration. Two-piece base fits roof pitches from 3/12 to 12/12. 117 sq. in. (755 sq. cm) net free area.
  2. Construction: Injection molded from pure, high grade polypropylene with premium UV inhibitor additives. Engineered to resist denting, peeling, extreme heat and cold impact to -40 degree F (-40 degree C).
  3. CSA certified - Plastic Type B roof vents, for installation on sloping surfaces.
  4. Miami Dade High Velocity Hurricane Zone certified
  5. Model: Black (60PRO117BL) 17-1/2 inches x 20 inches x 16-1/4 inches (445 mm x 508 mm x 413 mm).
  6. Model: Brown (60PRO117BR) 17-1/2 inches x 20 inches x 16-1/4 inches (445 mm x 508 mm x 413 mm).
  7. Model: Weatherwood (60PRO117WW) 17-1/2 inches x 20 inches x 16-1/4 inches (445 mm x 508 mm x 413 mm).
  8. Model: Grey (60PRO117G) 17-1/2 inches x 20 inches x 16-1/4 inches (445 mm x 508 mm x 413 mm).

## 2.4 STATIC VENTS

- A. **Product: WeatherPRO® 75** as manufactured by Canplas Industries Ltd.
1. Design: Top venting design uses chimney effect to channel moist air away from roof eliminating shingle staining. Vent cap design with built in weeping holes eliminates bird nesting and water pooling. Roof pitch range 3/12 to 12/12. Net free venting area of 75 sq. in. (483 sq. cm).
  2. Construction: Injection molded from pure, high grade polypropylene with premium UV inhibitor additives.

- Engineered to resist denting, peeling, extreme heat and cold impact to -40 degree F (-40 degree C).
3. CSA certified - Plastic Type B roof vents, for installation on sloping surfaces.
  4. Model: Black (60PRO75BL) 21.875 inches x 21.875 inches x 5.5 inches (556 mm x 556 mm x 140 mm).
  5. Model: Brown (60PRO75BR) 21.875 inches x 21.875 inches x 5.5 inches (556 mm x 556 mm x 140 mm).
  6. Model: White (60PRO75W) 21.875 inches x 21.875 inches x 5.5 inches (556 mm x 556 mm x 140 mm).
  7. Model: Grey (60PRO75G) 21.875 inches x 21.875 inches x 5.5 inches (556 mm x 556 mm x 140 mm).
  8. Model: Weatherwood (60PRO75WW) 21.875 inches x 21.875 inches x 5.5 inches (556 mm x 556 mm x 140 mm).

- B. **Product: WeatherPRO® 50** as manufactured by Canplas Industries Ltd.
1. Design: Top venting design uses chimney effect to channel moist air away from roof eliminating shingle staining. Vent cap design with built in weeping holes eliminates bird nesting and water pooling. Roof pitch range 3/12 to 14/12. Net free venting area of 50 sq. in. (322 sq. cm).
  2. Construction: Injection molded from pure, high grade polypropylene with premium UV inhibitor additives. Engineered to resist denting, peeling, extreme heat and cold impact to -40 degree F (-40 degree C).
  3. CSA certified – Plastic Type B roof vents, for installation on sloping surfaces.
  4. Miami Dade High Velocity Hurricane Zone certified: NOA 04.0401.01.
  5. Model: Black (60PRO50BL) 18-1/2 inches x 18-1/2 inches x 4-1/2 inches (470 mm x 470 mm x 114 mm).
  6. Model: Brown (60PRO50BR) 18-1/2 inches x 18-1/2 inches x 4-1/2 inches (470 mm x 470 mm x 114 mm).
  7. Model: White (60PRO50W) 18-1/2 inches x 18-1/2 inches x 4-1/2 inches (470 mm x 470 mm x 114 mm).
  8. Model: Grey (60PRO50G) 18-1/2 inches x 18-1/2 inches x 4-1/2 inches (470 mm x 470 mm x 114 mm).
  9. Model: Weatherwood (60PRO50WW) 18-1/2 inches x 18-1/2 inches x 4-1/2 inches (470 mm x 470 mm x 114 mm).

- C. **Product: WeatherPRO® Slant Back** as manufactured by Canplas Industries Ltd.
1. Design: Top venting design uses chimney effect to channel moist air away from roof eliminating shingle staining. Vent cap design with built in weeping holes eliminates bird nesting and water pooling. Roof pitch range 3/12 to 14/12. Net free venting area of 50 sq. in. (322 sq. cm).
  2. Construction: Injection molded from pure, high grade polypropylene with premium UV inhibitor additives. Engineered to resist denting, peeling, extreme heat

# Specifications

- and cold impact to -40 degree F (-40 degree C).
3. CSA certified – Plastic Type B roof vents, for installation on sloping surfaces.
  4. Miami Dade High Velocity Hurricane Zone certified.
  5. Model: Black (60PRO50SLBL) 18 inches x 24 inches x 3-1/2 inches (457 mm x 610 mm x 89 mm).
  6. Model: Brown (60PRO50SLBR) 18 inches x 24 inches x 3-1/2 inches (457 mm x 610 mm x 89 mm).
  7. Model: White (60PRO50SLW) 18 inches x 24 inches x 3-1/2 inches (457 mm x 610 mm x 89 mm).
  8. Model: Grey (60PRO50SLG) 18 inches x 24 inches x 3-1/2 inches (457 mm x 610 mm x 89 mm).
  9. Model: Weatherwood (60PRO50SLWW) 18 inches x 24 inches x 3-1/2 inches (457 mm x 610 mm x 89 mm).
- D. **Product: 3 TIER WeatherPRO PROVentilator** as manufactured by Canplas Industries Ltd.
1. Design: Chimney style design allows ventilator to harness wind energy and create pressure variances that draw air out from within the attic space. Roof pitch range 3/12 to 12/12. Net free venting area of 130 sq. in. (838 sq. cm).
  2. Construction: Injection molded from pure, high grade polypropylene with premium UV inhibitor additives. Engineered to resist denting, peeling, extreme heat and cold impact to -40 degree F (-40 degree C).
  3. Tested and passed the Miami Dade County TAS No. 100(A)-95 110mph (177kmh) wind driven rain test.
  4. Model: Black (60PRO150BL) 21-1/8 inches x 21-1/8 inches x 22 inches (536 mm x 536 mm x 559 mm).
  5. Model: Brown (60PRO150BR) 21-1/8 inches x 21-1/8 inches x 22 inches (536 mm x 536 mm x 559 mm).
  6. Model: Gray (60PRO150G) 21-1/8 inches x 21-1/8 inches x 22 inches (536 mm x 536 mm x 559 mm).
  7. Model: Weatherwood (60PRO150WW) 21-1/8 inches x 21-1/8 inches x 22 inches (536 mm x 536 mm x 559 mm).
- E. **Product: 2 TIER WeatherPRO PROVentilator** as manufactured by Canplas Industries Ltd.
1. Design: Chimney style design allows ventilator to harness wind energy and create pressure variances that draw air out from within the attic space. Roof pitch range 3/12 to 12/12. Net free venting area of 95 sq. in. (613 sq. cm).
  2. Construction: Injection molded from pure, high grade polypropylene with premium UV inhibitor additives. Engineered to resist denting, peeling, extreme heat and cold impact to -40 degree F (-40 degree C).
  3. Tested and passed the Miami Dade County TAS No. 100(A)-95 110mph (177kmh) wind driven rain test.
  4. Model: Black (60PRO140BL) 21-1/8 inches x 21-1/8 inches x 19-1/2 inches (536 mm x 536 mm x 495 mm).
  5. Model: Brown (60PRO140BR) 21-1/8 inches x 21-1/8 inches x 19-1/2 inches (536 mm x 536 mm x 495 mm).
  6. Model: Grey (60PRO140G) 21-1/8 inches x 21-1/8 inches x 19-1/2 inches (536 mm x 536 mm x 495 mm).

7. Model: Weatherwood (60PRO140WW) 21-1/8 inches x 21-1/8 inches x 19-1/2 inches (536 mm x 536 mm x 495 mm).
- F. **Product: 1 TIER WeatherPRO PROVentilator** as manufactured by Canplas Industries Ltd.
1. Design: Chimney style design allows ventilator to harness wind energy and create pressure variances that draw air out from within the attic space. Roof pitch range 3/12 to 12/12. Net free venting area of 48 sq. in. (310 sq. cm).
  2. Construction: Injection molded from pure, high grade polypropylene with premium UV inhibitor additives. Engineered to resist denting, peeling, extreme heat and cold impact to -40 degree F (-40 degree C).
  3. Tested and passed the Miami Dade County TAS No. 100(A)-95 110mph (177kmh) wind driven rain test.
  4. Model: Black (60PRO130BL) 21-1/8 inches x 21-1/8 inches x 17 inches (536 mm x 536 mm x 432 mm).
  5. Model: Brown (60PRO130BR) 21-1/8 inches x 21-1/8 inches x 17 inches (536 mm x 536 mm x 432 mm).
  6. Model: Grey (60PRO130G) 21-1/8 inches x 21-1/8 inches x 17 inches (536 mm x 536 mm x 432 mm).
  7. Model: Weatherwood (60PRO130WW) 21-1/8 inches x 21-1/8 inches x 17 inches (536 mm x 536 mm x 432 mm).

## PART 3 EXECUTION

### 3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

### 3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

### 3.3 INSTALLATION

- A. Install in accordance with manufacturer's instructions and in proper relationship with adjacent construction.

### 3.4 FIELD QUALITY CONTROL

- A. Provide inspection certificates of Authority Having Jurisdiction (AHJ).

### 3.5 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before substantial completion.

## END OF SECTION





# canplas<sup>®</sup>

*Molding a better future*

Canplas, manufacturer of Duraflo ventilation products, has over 45 years of plastics manufacturing experience. This expertise allows Duraflo to continue as the innovation leader in roof ventilation. Throughout our history Duraflo has listened to you, the customer, to create solutions to meet your building needs. In developing and maintaining an open dialogue with both our internal and external partners, we have created a wide variety of unique products second to none in the marketplace.



[www.arcat.com](http://www.arcat.com)



[www.csc-dcc.ca](http://www.csc-dcc.ca)



[www.csinet.org](http://www.csinet.org)

## CANADA

### Canplas Industries Ltd.

P.O. Box 1800, 500 Veterans Drive  
Barrie, Ontario

Canada L4M 4V3

**1-800-461-5300**

Tel: (705) 726-3361

Fax: (705) 726-2186

## USA

### Canplas LLC

11402 East 53rd Ave., Suite 200  
Denver, Colorado

U.S.A. 80239

**1-888-461-5307**

Tel: (303) 373-1918

Fax: 1-888-461-5309