

# SupaVent™ Wind Driven Turbine Ventilator

Refer to product table below for applicable product codes covered by this document

Issue **A**

## Product Type & Application

The Bradford Ventilation SupaVent is a wind driven turbine ventilator designed to exhaust heat and moisture from the roof space, without the use of electrical energy.

## Compliance with the NCC

When correctly specified and installed this natural roof ventilator meets the requirement of the NCC2019 Ventilation of Roof Spaces Volume 1 Clause F6.4 and Volume 2 Clause 3.8.7.4 as a Deemed-To-Satisfy solution.

## Evidence of Suitability

- Bradford Ventilation DTS Solution Calculation

## Conditions of Storage, Use & Maintenance

- Store in the original packaging in a cool and dry area.
- Do not attempt to repair – contact Bradford Ventilation.

Refer to the product warranty at [bradfordventilation.com.au](http://bradfordventilation.com.au) for more information.

## Limitations of Use

- The SupaVent is designed for Class 1 and Class 10 construction in non-cyclonic regions.
- Do not use for exhausting hazardous, abrasive, explosive materials and vapour
- This product is not suitable for bushfire (BAL) rated areas.

## Specific Design or Installation Instructions

- This product must be installed and sealed against water ingress.
- Installation must be accordance with the Bradford Ventilation Residential Turbine Ventilator Installation Instruction.
- Refer to the table below for recommended ventilation levels
- To facilitate effective and efficient crossflow ventilation, the SupaVent(s) and eave vents must be evenly distributed.
- The rotating head of this product must be installed horizontally to ensure correct operation.

## NCC2019 Ventilation of Roof Spaces Deemed-To-Satisfy Solution Requirements:

- Calculate the area (m<sup>2</sup>) of ceiling directly under the roof space;
- Determine the pitch of the roof;
- Look up the recommended number of SupaVent and Bradford Metal Eave vents in the Deemed-To-Satisfy Solution Table below;
- Distribute the SupaVent(s) and Bradford Metal Eave Vents evenly.

Bradford Ventilation Deemed-To-Satisfy Solution Table

Roof Pitch	Total Ceiling Area (m <sup>2</sup> )	Number of SupaVent required	Bradford Metal Eave Vents required
> 22°	46	1	4
	92	2	7
	138	3	10
	184	4	13
	231	5	16
	277	6	19
	323	7	22

Total Ceiling Area is defined as the total ceiling area directly under the roof/attic space.

Where the roof pitch is ≤ 22°, the number of ventilators and eave vents specified must be doubled for the same ceiling area.

For general installation guidance refer to the product installation guide at [www.bradfordventilation.com.au](http://www.bradfordventilation.com.au)

## SupaVent™ Wind Driven Turbine Ventilator

### Applicable Product Codes (SKU)

BASALT 136911	WOODLAND GREY 61174	SURFMIST 61168	COTTAGE GREEN 61173	DEEP OCEAN 61179	DUNE 61176
HEADLAND 61170	IRONSTONE 61182	JASPER 61180	MANOR RED 61171	MONUMENT 105182	NIGHTSKY 61169
PALE EUCALYPT 61172	PAPERBARK 61175	SHALE GREY 61177			

### Product Specifications

General	
Ventilator Type	Wind Driven Natural Ventilator
Turbine Diameter	327.5 mm
Varipitch Diameter	255.5 mm
Product Weight	1.9 kg
Wind Loading	Passed Wind Loading Test in accordance to AS/NZS 4740 up to 205 km/h

Material	
Turbine	ASA Plastic
Varipitch	Aluminium
Flashing	Aluminium
Shaft	Aluminium
Bearings	Twin Stainless-Steel Bearings

## SupaVent™ Wind Driven Turbine Ventilator

Product Dimensions (in mm)

