Bradford™

Product **Technical** Statement

WindMaster™ Natural Roof Ventilator

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

Issue **B**

Product Type & Application

The Bradford Ventilation WindMaster is a wind driven natural ventilator designed to exhaust heat & moisture from the roof space, without the use or 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 for more information.

Limitations of Use

- The Windmaster is designed for Class 1 and Class 10 construction in non-cyclonic regions.
- Do not use for exhausting hazardous or 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.
- New construction – refer to the table below for recommended ventilation levels
- Retro-fit construction - for each 90sqm of ceiling area it is recommended that 1 WindMaster and 2 Bradford metal eave vents should be installed
- To facilitate effective and efficient crossflow ventilation, the WindMaster 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 (m²) of ceiling directly under the roof space;
- Determine the pitch of the roof;
- Look-up the recommended number of Windmasters and Bradford metal eave vents in the Deemed-To-Satisfy Solution Table below;
- Distribute the Windmaster(s) and Bradford Metal Eave Vents evenly.

Bradford Ventilation Deemed-To-Satisfy Solution Table

Roof Pitch	Total Ceiling Area[1] (m²)	Number of Windmasters required	Bradford Metal Eave Vents required
> 22°	< 62	1	5
	< 124	2	9
	< 187	3	13
	< 249	4	17
	< 312	5	22
	< 374	6	26
≤ 22°	< 62	2	10
	< 124	4	18
	< 187	6	26
	< 249	8	34
	< 312	10	44
	< 374	12	52

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

For general installation guidance refer to the product installation guide at www.bradfordventilation.com.au

CSR Bradford Locked Bag 1345 North Ryde BC NSW 1670
csrbradford.com.au

For further technical advice
call **1300 850 305** or visit **csrbradford.com.au**

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Applicable Product Codes (SKU)

Classic Cream 61151	Paperbark 61152	Cove 125754	Gully 125751	Loft 90674	Surfmist 61143
Evening Haze 90673	Mangrove 125755	Pale Eucalypt 61147	Wilderness 61150	Cottage Green 61148	Headland 61145
Jasper 61161	Terrain 125753	Manor Red 61146	Shale Grey 61155	Dune 61153	Windspray 61154
Basalt 125752	Wallaby 125756	Woodland Grey 61149	Deep Ocean 61159	Ironstone 61166	Monument 90675
Night Sky 61144	Mill 61141	Bluegum 481726	Dover White 481724	Southerly 481725	

Product Specifications

General	
Ventilator Type	Natural Roof Ventilator
Turbine Diameter	420 mm
Varipitch Diameter	306 mm
Product Weight	1.90 kg
Wind Loading	Passed Wind Loading Test in accordance to AS/NZS 4740 up to 205 km/h
Roof Pitch	Up to 45°

Material	
Turbine	Aluminium
Varipitch	Aluminium
Flashing	Aluminium
Shaft	Zinc passivate plated mild steel
Bearing Holder, Support Ring and Brackets	Glass-Filled Nylon
Screws	Stainless Steel and Galvanised

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Product Dimensions (in mm)