Vented Batten VB20

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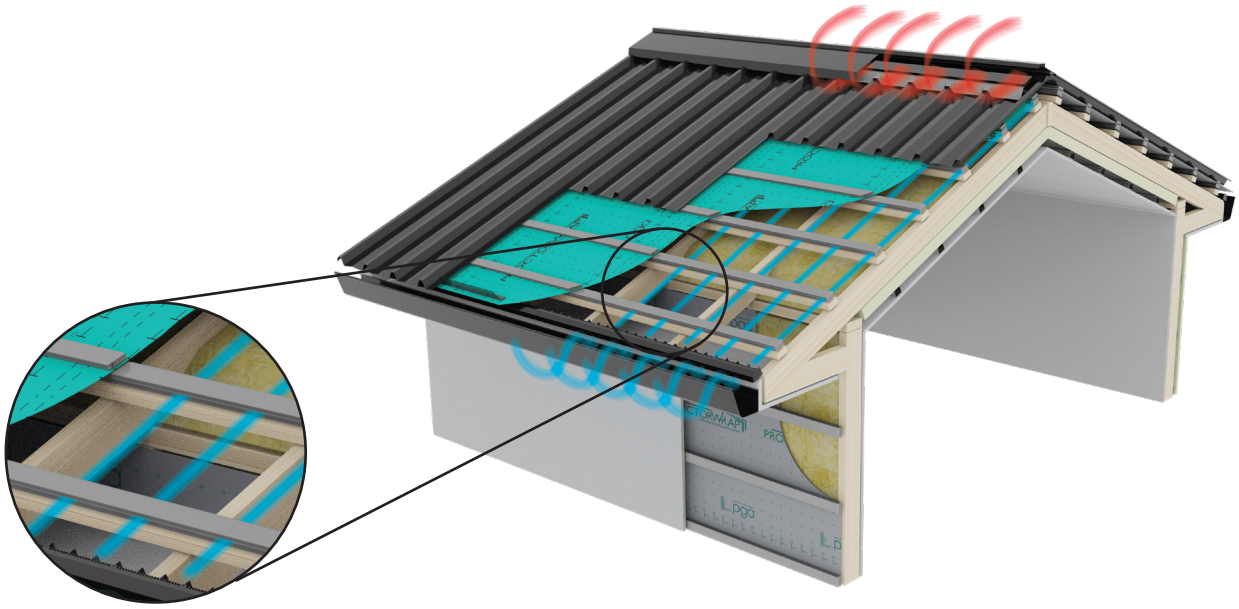
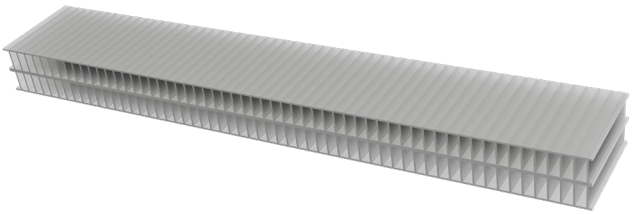


Product Description

The ProctorVent VB20 Vented Batten is a Polypropylene 20mm Ventilation & Drainage Batten, designed to facilitate passive airflow in the roof void, reducing the risk of moisture build up and condensation.

- Convenient peel-off adhesive backing reduces the need for nails or screws to hold the VB20 in position.
- 4mm apertures help prevent ingress of nesting insects.
- 20mm height meets the requirement to create a minimum 20mm roof space.
- Provides passive airflow of over 15,500mm²/Lm.
- Easy to install - 1,000mm lengths for easy handling.
- Strong and durable
- Compressive stength of over 1,600 kPa



VB20 Vented Batten

PROCTORVENT Vented Batten VB20

Vented Batten VB20

Roof Applications / Scope of use

- In accordance with the requirements of NCC 2019 ventilation of roof spaces, NCC 2022 roof space ventilation, or CBOS Condensation in Buildings – Tasmanian Designers' Guide - Ver. 2
- Suitable for new builds or renovations as part of the ProctorVent system.
- For metal and tiled roof installations.
- To ensure continuous and unimpeded airflow above the insulation through the roof space, the VB20 be used in conjunction with the ProctorVent Fascia Vent (FV25) for cathedral roofs.
- Can be cut with a knife, cutting tool or hand saw.
- Cladding fixings must be fixed through the VB20 into the roof battens.
- The VB20 should never be used or considered as a structural batten and should never be installed between the roof truss/rafter and roof batten where it would bear any point load.
- Roof cladding fixings must conform to manufacturer's specifications.
- The VB20 should not be exposed to direct sunlight for longer than 30 days.

Installation - Roofs

- VB20 is typically applied directly above each the roof batten / purlin to ensure a continuous unobstructed 20mm ventilation pathway between the insulation and below the sarking.
- Peel-off adhesive backing for temporary fixing for a limited period.
- When applying the VB20, surfaces should be free of moisture and dust.
- If required, nails or screws can be used to hold the batten in place prior to fixing the roofing.

Roof Type	Requirement for Airflow	ProctorVent Combination
NATIONAL CONSTRUCTION CODE 2022 VOL 1 F8D5 / ABCB HOUSING PROVISIONS STANDARD 10.8.3		
Roof Pitches <10°	25,000mm²/ Lm at each of two opposing ends	FV25 and EB
Roof Pitches ≥10° & <15°	25,000mm²/ Lm at eaves 5,000mm²/ Lm at ridge/high level	FV25 and EB RV10
Roof Pitches ≥15° & <75°	7,000mm²/ Lm at eaves 5,000mm²/ Lm at ridge/high level	FV10, EB RV10
Cathedral Roof ≥15° & <75°	25,000mm²/ Lm at eaves 5,000mm² /Lm at ridge/high level	FV25, VB20 RV10
NATIONAL CONSTRUCTION CODE 2019 VOL 1 PART F6.4 / VOL 2, PART 3.8.7.4		
Roof Pitches <22°	Total unobstructed area 1/150 of ceiling area - 30% at ridge/high level	FV25, EB and RV10
Roof Pitches >22°	Total unobstructed area 1/300 of ceiling area - 30% at ridge/high level	FV10, EB and RV10
CONTROL OF CONDENSATION AND MOULD IN TASMANIAN HOMES (CBOS VER.2):		
Roof Pitches <16°	25,000mm²/Lm at eaves 5,000mm²/ Lm at ridge/high level	FV25, EB RV10
Roof Pitches >16°	10,000mm²/Lm at eaves 5,000mm²/ Lm at ridge/high level	FV10, EB RV10
Cathedral Roof	25,000mm²/ Lm at eaves 25,000mm²/ Lm above insulation 5,000mm²/ Lm at ridge/high level	FV25 VB20 RV10

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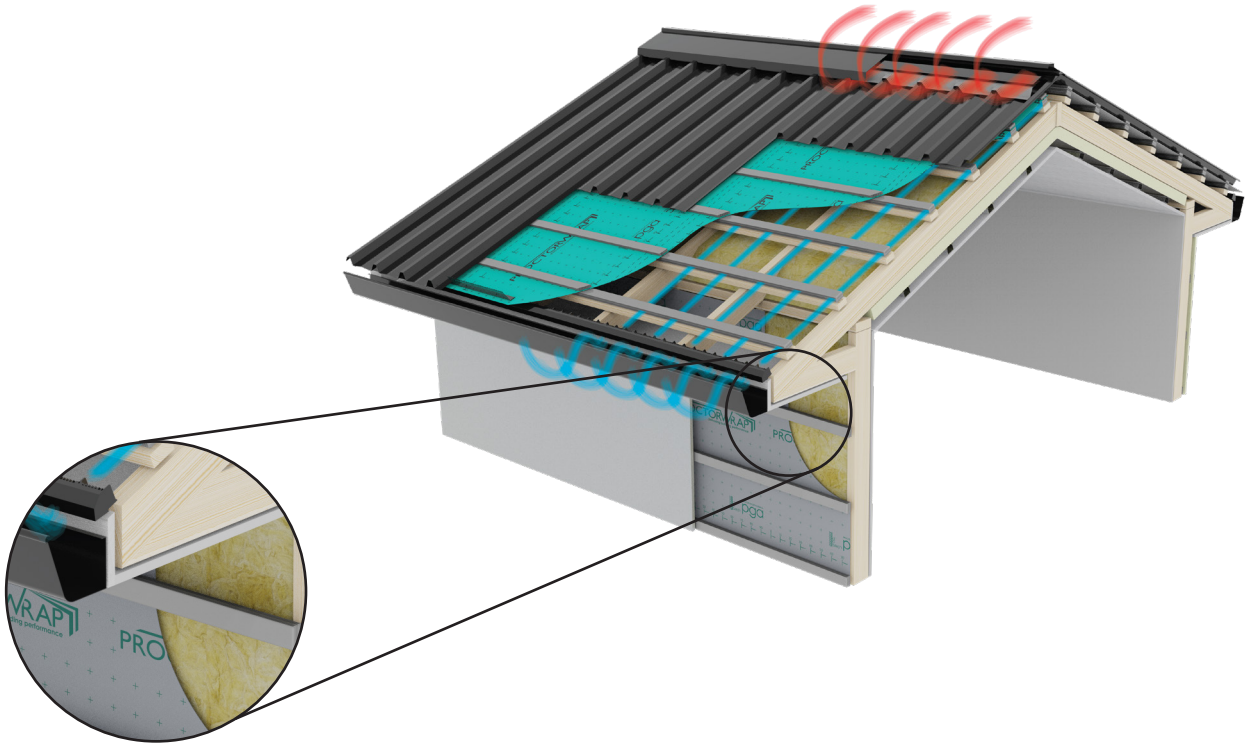

Background

ProctorVent VB20 can be used in wall applications to create or maintain a drained and vented cavity behind the cladding.

The batten is fixed as required, vertically or horizontally, aligned with studs, noggins, and the top and bottom plates.

Only use ProctorVent VB20 to provide a 20mm wide drained and vented cavity where a structural batten is not required, such as a structurally insulated panel (SIPS), where a sheathing board provides a fixing point for cladding or where the cladding is fixed at all points to the frame. Consider using the ProctorVent VB10 in conjunction with a structural timber batten or noggin.

Installation - Walls

Reference should be made to the fastening specification of the cladding and ensure that the specified spacing, position and thread penetration through the supporting structure is suitable when using the drainage batten. The fastener length should be increased to suit the drainage batten thickness (20mm).

Prior to fixing the cladding, temporarily hold the batten in position with the self-adhesive. Fix the cladding as soon as possible as the self-adhesive is only intended as temporary for positioning the batten.

Cladding must be fixed through the drainage battens into the structural frame or substrate as normal. Ensure that the fastener length is increased appropriately to suit the drainage batten thickness (20mm).

IMPORTANT NOTES

(1) The ProctorVent VB20 is not structural.

(2) As the drainage batten is combustible, it must not be used in type A & type B non-combustible wall constructions.

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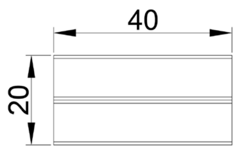
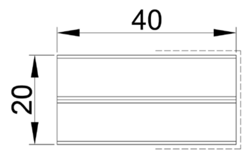
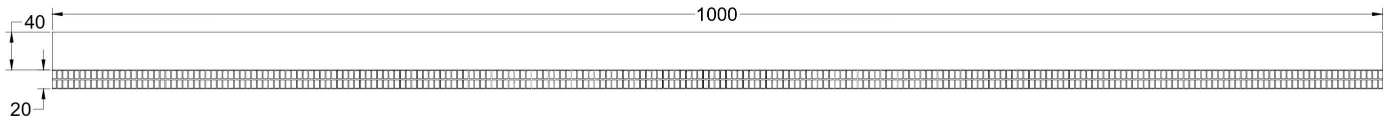
ProctorVent VB20 Dimensions



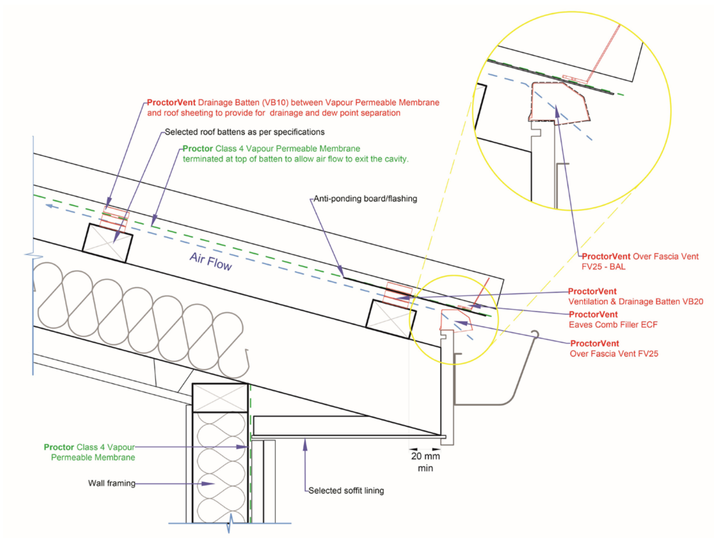
ProctorVent VB20

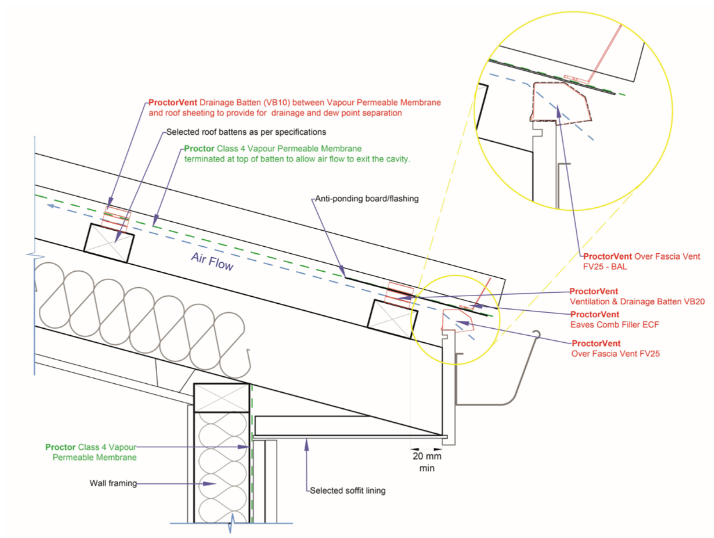


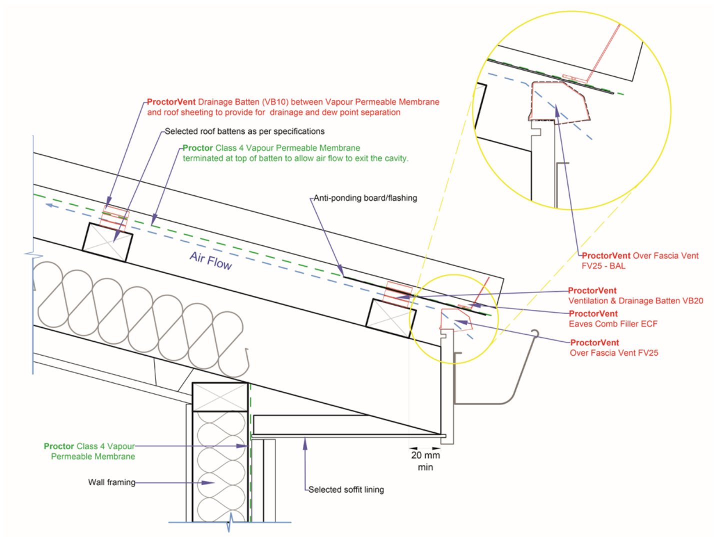
ProctorVent VB20 - BAL

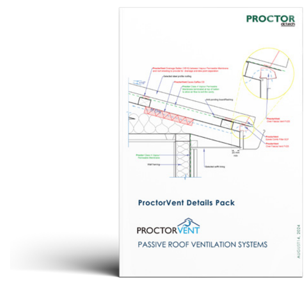


ProctorVent VB20 Example Applications









A variety of drawings showing the application of VB20 in roof and wall assemblies is available on our website in PDF

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Sample Specification
Drainage and Ventilation batten shall be ProctorVent VB20 as required by NCC2022 Vol 1 F8D5 / ABCB Housing Provisions 10.8.3 and installed in accordance with the product user guide.

- Free open area: 15,700mm²/Lm
- Height: 20mm
- Spread of Flame Index (AS/NZS 1530.3) : ≤ 9
- Heat Evolved Index (AS/NZS 1530.3) : ≤ 8
- Smoke Developed Index (AS/NZS 1530.3) : ≤ 8

Available from DCTech/Proctor Group Australia.
W: dctech.com.au/contact/

Durability
Although ProctorVent VB20 can be left exposed temporarily during construction, the product may be damaged by careless handling or vandalism, and must not be used in installations where it could be exposed to long term UV radiation or constant high temperatures. Any damaged product should be replaced before completion. Ensure that ProctorVent VB20 is covered as soon as possible, and **not left exposed for longer than 14 days**.

Warranty
ProctorVent VB20 is warranted for 15 years.

Maintenance
No maintenance requirements.

Bush Fire Prone Applications
Where ProctorVent VB20 is used and embers could be expected to be drawn into a cavity through the opening, or where required by building regulations, the VB20 vented batten must be wrapped on the exterior face by a corrosion resistant, non-combustible mesh with maximum aperture of 2mm, independently tested to meet the physical properties required by AS3959-2018 Amdt. 1.

Handling and Storage

Products must be protected from direct sunlight and physical damage, and should be stored flat and under cover.

Health & Safety
Take care when working on roofs and follow all guidance and industry good practice guidelines.

Product Performance
ProctorVent VB20 performs to specification in normal building applications when installed in accordance with this product guide. The information herein is supplied in good faith and to the best of our knowledge was accurate at the time of publication. Users are advised to make their own determination as to the suitability of this information in relation to their particular purpose and specific requirements.

Technical Data

Criteria	Test Method	Result
Free Airflow		15,700 mm²/Lm
Spread of Flame Index (Range 0-10)	AS/NZS 1530.3	6
Heat Evolved Index (Range 0-10)	AS/NZS 1530.3	5
Smoke Developed Index (Range 0-10)	AS/NZS 1530.3	3
Thermal Resistance	ASTM C518	0.23 m^2 K/W
Compressive Strength @10% relative deformation	ASTM 2498.3	464 kPa

Dimensions & Packaging

Product	Batten Dimensions			Packaging weight and dimension				Battens per pack (Total linear metre)	Packs per pallet (Total linear metre)
	Height (mm)	Width (mm)	Length (m)	Height (mm)	Width (mm)	Length (mm)	Weight (kg/box)		
ProctorVent VB20	20	40	1,000	110	330	1,050	6.4	40 (40Lm) per pack	30 (1,200 Lm)

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