

## Product Information Sheet

### VENT Wall Cavity Batten – VB20 WALLS

Version 1:11/2019

#### Scope

Vent Wall Cavity Battens are suitable for use as non-structural cavity battens for use with non-structural wall cladding systems on timber framed buildings within the following scope:

the scope limitations of NZBC Acceptable Solution E2/AS1, Paragraph 1.1; and, with a risk score of 0-20, calculated in accordance with NZBC Acceptable Solution E2/AS1, Table 2; and, with cavity-based wall cladding systems complying with NZBC Acceptable Solution E2/AS1 or a valid BRANZ Appraisal that specifies a nominal 20 mm (minimum 18 mm) drained and vented cavity; and, situated in NZS 3604 Wind Zones up to, and including 'Extra High'.

(Note: Vent Wall Cavity Battens can also be used on buildings subject to specific weathertightness design. Weathertightness design and detailing of these installations is the responsibility of the designer and is outside the scope of this Appraisal. Vent Wall Cavity Battens are not suitable for use where pressure equalized cavities are required.)

The VENT VB20 is a Polypropylene batten that is the ideal product to create a 20mm cavity for ventilation and drainage in walls for both residential and commercial buildings, as specified by NZBC Acceptable Solution E2/AS1, Paragraph 9.1.8.2. Due to the design of the VENT VB20 it can be installed continuously in horizontal or vertical positions. With no temporary fixings required the VENT VB20 is both effective and efficient.

When installed horizontally and continuously, VENT Wall Cavity Battens provide vermin proofing to the bottom of the drained cavity. If a durable life of more than 15 years is required, vermin proofing must be installed at the base of the cavity.

When installed vertically or for non-continuous horizontal installations, VENT Wall Cavity Batten do not provide vermin proofing to the bottom of the drained cavity. A cavity vent strip complying with NZBC Acceptable Solution E2/AS1, Paragraph 9.1.8.3 must be installed as part of the selected cladding system.

Where the VENT Wall Cavity Batten are installed vertically or horizontally at greater than 450 mm centres and a flexible building underlay is used, a building underlay support in accordance with NZBC Acceptable Solution E2/AS1 Paragraph 9.1.8.5 must be installed over the building underlay behind the cavity battens at 300 mm centres horizontally to prevent bulging of the building underlay into the drainage cavity.

#### Installation of the VENT VB20:

- ✓ *Peel-off adhesive backing for temporary fixing,*
- ✓ *The VENT VB20 must be installed over the building wrap*
- ✓ *The VENT VB20 Can be cut with a knife, cutting tool or hand saw;*
- ✓ *The VENT VB20 can be installed both vertically (See Figure A) and horizontally (See Figure B) in line with requirements of selected wall cladding system;*
- ✓ *Cladding fixings must be fixed through the VENT VB20 into the studs and dwangs. (As noted above the VB20 should be treated as non-structural timber cavity batten)*
- ✓ *Cladding Fixings must conform to manufacturers specifications*



Note - The VENT VB20 must be stored on flat surface and protected from the elements. The VENT VB20 should be protected from physical damage and direct sunlight at all times.

Fig A: VENT VB20 Horizontal Cladding System

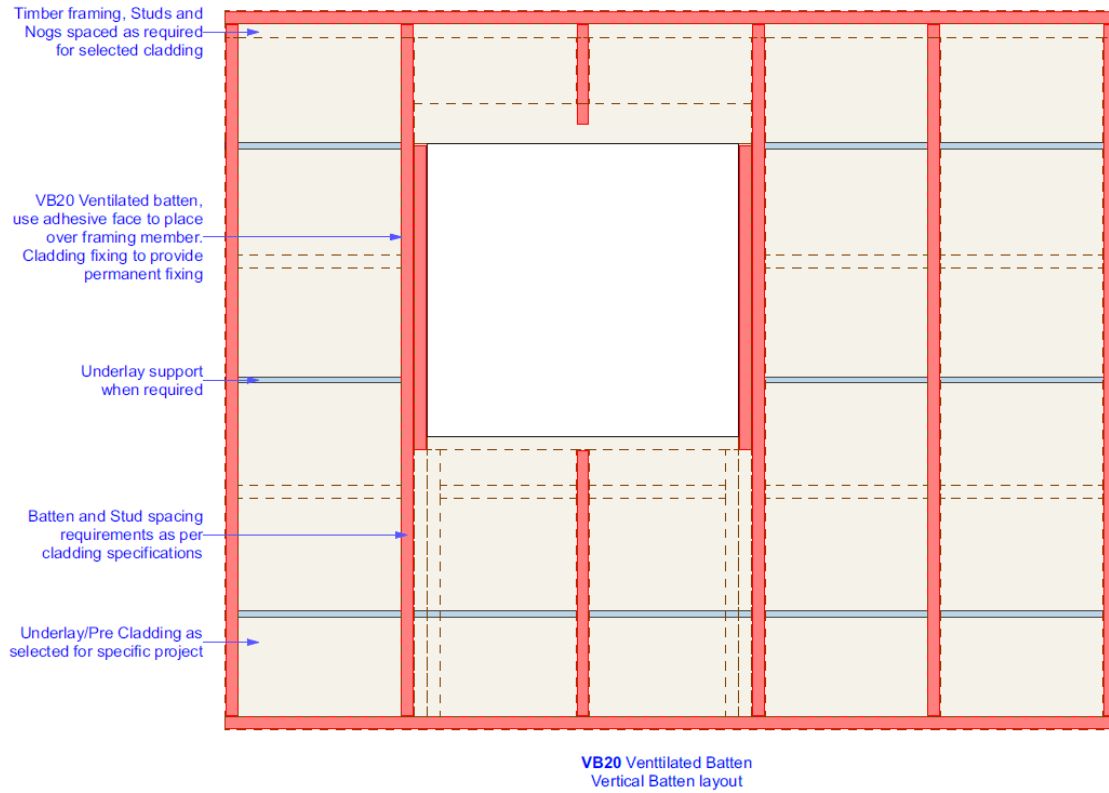


Fig B: VENT VB20 Vertical Cladding System

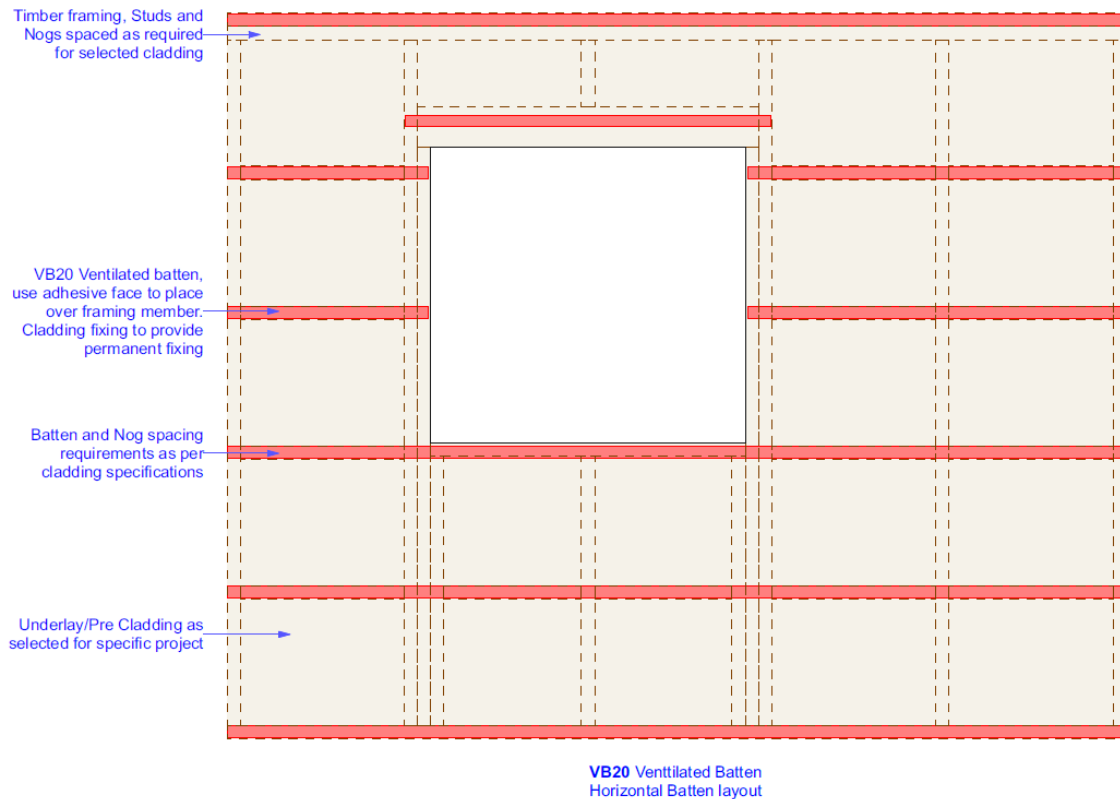


Fig C: Dimensions

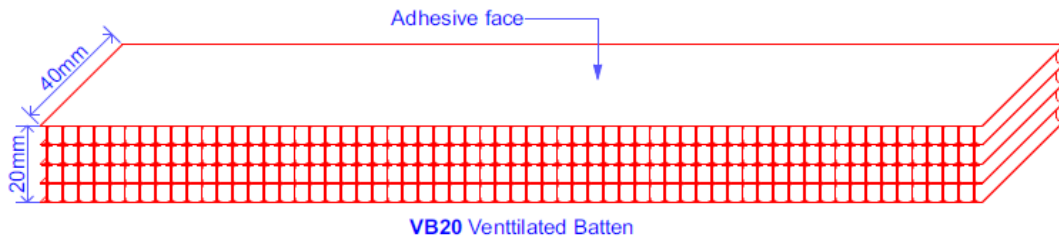


Fig D: 3D Render of VENT VB20 Wall Cavity Battens in use with VENT Passive Ventilation

