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## Mitten Cambridge and Cedarline Vinyl Claddings

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Abbreviation  
Appraisal number 814  
Valid from  
09/05/2019

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Information provider  
BRANZ Limited  
Information type  
BRANZ Appraisal  
Format  
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### Description

Mitten Cambridge and Cedarline Vinyl Claddings are cavity-based external wall claddings for residential and light commercial type buildings where domestic construction techniques are used.

The cladding systems consist of colour finished vinyl (PVC) weatherboards with an extruded polystyrene backing, vinyl finishing profiles, flashings and accessories. The weatherboards are installed horizontally with concealed fixings over timber structural battens.

The claddings incorporates a primary and secondary means of weather resistance (first and second line of defence) against water penetration by separating the claddings from the external wall frame with a nominal 20 mm drained cavity.

### Scope

Mitten Cambridge and Cedarline Vinyl Claddings have been appraised as external horizontally fixed wall claddings for buildings within the following scope:

- the scope limitations of NZBC Acceptable Solution E2/AS1, Paragraph 1.1; and,
- constructed with timber framing complying with the NZBC; and,
- with a risk score of 0-20, calculated in accordance with NZBC Acceptable Solution E2/AS1, Table 2; and,
- situated in NZS 3604 Wind Zones up to, and including Extra High.

Mitten Cambridge and Cedarline Vinyl Claddings have also been appraised as external horizontally fixed wall claddings for specifically designed buildings within the following scope:

- the scope limitations of NZBC Acceptable Solution E2/AS1, Paragraph 1.1 with regards to building height and floor plan area; and,
- constructed with timber framing complying with the NZBC; and,
- situated in specific design wind pressures up to a maximum design differential ultimate limit state (ULS) of 2.5 kPa.

Mitten Cambridge and Cedarline Vinyl Claddings are appraised for use with aluminium window and door joinery that is installed with vertical jambs and horizontal heads and sills. (The Appraisal of Mitten Cambridge and Cedarline Vinyl Claddings relies on the joinery meeting the requirements of NZS 4211 for the relevant Wind

Zone or wind pressure.)

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