

## Flashclad Horizontal Weatherboard Cavity Cladding System

### Product Technical Statement (PTS)

#### Product Description and Use

The Flashclad Horizontal Weatherboard Cavity Cladding System is a cavity-based, inter-locking powder coated aluminium weatherboard system. It is designed to be used as an external wall cladding system for residential and light commercial type buildings where domestic construction techniques are used.

The system includes horizontally fixed BEVELBORD DUALBORD and EUROBORD weatherboards, internal and external corner flashings, starter strips, cladding jointers, joinery flashings and accessories.

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

#### New Zealand Building Code (NZBC)

The Flashclad Horizontal Weatherboard Cavity Cladding System, if designed, used, installed and maintained in accordance with the statements and conditions of BRANZ Appraisal No. 800 (2013) and the Technical Literature, will meet the following provisions of the NZBC:

**Clause B1 STRUCTURE:** Performance B1.3.1, B1.3.2 and B1.3.4. The Flashclad Horizontal Weatherboard Cavity Cladding System meets the requirements for loads arising from self-weight, wind and impact [i.e. B1.3.3 (a), (h) and (j)].

**Clause B2 DURABILITY:** Performance B2.3.1 (b), 15 years and B2.3.2.

**Clause E2 EXTERNAL MOISTURE:** Performance E2.3.2.

**Clause F2 HAZARDOUS BUILDING MATERIALS:** Performance F2.3.1.

The Flashclad Horizontal Weatherboard Cavity Cladding System is an Alternative Solution in terms of New Zealand Building Code compliance.

#### Evidence of compliance

Flashclad Ltd provides this PTS to demonstrate that it has met its responsibilities under s14G of the Building Act. Flashclad Ltd is able to support claims of performance, based on the technical evidence provided within BRANZ Appraisal [No. 800 \(2013\) Flashclad Horizontal Weatherboard Cavity Cladding System](#).

## Scope of use

The Flashclad Horizontal Weatherboard Cavity Cladding System is suitable for use as an external wall cladding 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.

The Flashclad Horizontal Weatherboard Cavity Cladding System also meets the requirements for weathertightness and structural wind loading when used as an external wall cladding system for 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 and steel framing subject to specific engineering design; and,
- situated in specific design wind pressures up to a maximum design differential ultimate limit state (ULS) of 2.5 kPa.

The Flashclad Horizontal Weatherboard Cavity Cladding System must only be installed horizontally on vertical, flat surfaces.

The Flashclad Horizontal Weatherboard Cavity Cladding System is suitable for use with aluminium window and door joinery that is installed with vertical jambs and horizontal heads and sills. *(It is expected that the joinery will meet the requirements of NZS 4211 for the relevant Wind Zone, or design wind pressure.)*

Installation of components and accessories supplied by Flashclad Ltd must be carried out only by Flashclad Ltd Regional Distributors.

## Technical Literature

The following Technical Literature must be followed to ensure compliance when the Flashclad Horizontal Weatherboard Cavity Cladding System is used.

- Technical Drawings
- Flashclad Installation Instructions – (Only installed by Flashclad Regional Distributors)

## Maintenance Requirements

For Maintenance information on the Flashclad Horizontal Weatherboard Cavity Cladding System, refer to

<http://www.duluxpowdercoatings.co.nz/information/care-maintenance/>

## For Further Information

For further information, please visit: [Flashclad.co.nz](http://Flashclad.co.nz) - Technical

## **Company contact information**

<http://flashclad.co.nz/contact-us/>

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