

## 4234P PALLISIDE UPVC WEATHERBOARD CLADDING

### 1. GENERAL

This section relates to the supply and fixing of **Palliside** uPVC weatherboards.

#### Related work

#### 1.1 RELATED SECTIONS

Refer to ~ for ~.

#### Documents

#### 1.2 DOCUMENTS REFERRED TO

Documents referred to in this section are:

<a href="#">NZBC E2/AS1</a>	External moisture
<a href="#">AS/NZS 1170.2</a>	Structural design actions - Wind actions
<a href="#">NZS 3602</a>	Timber and wood-based products for use in building
<a href="#">NZS 3604</a>	Timber framed buildings

Documents listed above and cited in the clauses that follow are part of this specification. However, this specification takes precedence in the event of it being at variance with the cited document.

#### 1.3 MANUFACTURER'S DOCUMENTS

Palliside documents relating to work in this section are:

Palliside	Technical guide
Palliside	Direct fix installation guide
Palliside	Drained cavity installation guide
<a href="#">BRANZ Appraisal 490</a>	- Palliside Cellular uPVC Weatherboard Direct Fixed Cladding System
<a href="#">BRANZ Appraisal 491</a>	- Palliside Cellular uPVC Weatherboard Cavity System

Copies of the above literature are available at

Web:	<a href="http://www.palliside.co.nz">www.palliside.co.nz</a>
Telephone:	0800 439 639

#### Requirements

#### 1.4 NO SUBSTITUTIONS

Substitutions are not permitted to any specified system, or associated components and products.

#### 1.5 QUALIFICATIONS

Work to be carried out by tradesmen experienced, competent and familiar with the materials and techniques specified.

#### 1.6 WARRANTY - MANUFACTURER/SUPPLIER

Provide a material manufacturers warranty:

25 years: For defects in the material

- Provide this warranty on the manufacturer's standard form.
- Commence the warranty from the date of purchase.

Refer to the section WARRANTIES for additional requirements.

#### Performance

#### 1.7 FIXINGS, WIND

Design and use the fixings appropriate for the wind zone (R) and topographical classification (T) of this site and building height; as required by Palliside technical and installation guides and [NZS 3604](#), and the wind loads on various wall areas as given by AS/NZS 1170.

## 2. PRODUCTS

### Materials

- 2.1 BUILDING WRAP  
Waterproof, breather type to [NZBC E2/AS1](#), Table 23: Properties of roof underlays and building wraps.
- 2.2 EXTERIOR CAVITY BATTENS  
Radiata pine battens, minimum 45mm wide x 18mm thick, H3.1 treated, height to match timber framing studs. To [NZS 3602](#), Table 1, reference 1D.10, Requirements for wood-based building components to achieve a 50-year durability performance.
- 2.3 EXTERIOR CAVITY VERMIN-PROOFING  
**Palliside** vermin tray to [NZBC E2/AS1](#): clause 9.1.8.3 and figure 66.
- 2.4 PALLISIDE WEATHERBOARDS  
**Palliside** uPVC weatherboards, 6mm thick, manufactured with a cellular core and a co-extruded outer layer

### Components

- 2.5 TRIMS AND JOINTERS  
**Palliside** starting trims, jointers, corner soakers, flashings and finishing trims, colour matched to the **Palliside** weatherboards where exposed.
- 2.6 FASTENERS  
Fasteners to minimum durability requirements of the NZBC. Refer to [NZS 3604](#), section 4 Durability, for requirements for fixing's material to be used in relation to the exposure conditions. Refer to **Palliside**, direct fix or drained cavity, installation guides for suitable nails, impulse nails and screws.

### Accessories

- 2.7 SEALANT  
MS sealant colour matched to weatherboards. Refer to **Palliside** installation guides for application requirements.

## 3. EXECUTION

### Conditions

- 3.1 STORAGE  
Take delivery of the **Palliside** weatherboards and lay horizontally on a smooth level surface. Protect edges and corners from damage and cover to keep dry until fixed.
- 3.2 HANDLING  
Avoid distortion and contact with potentially damaging surfaces. Use 2 workers to carry and install the **Palliside** weatherboards. Do not drag weatherboards across each other, or across other materials.
- 3.3 SUBSTRATE  
Do not commence work until the substrate is of the required standard for the specified finish; plumb, level and in true alignment. Moisture content of timber framing must not exceed the requirements specified by [NZS 3602](#) to minimise shrinkage and movement after sheets are fixed.
- 3.4 TEMPERATURE  
Installation to be carried out within a temperature range of 10°C to 25°C. Out side of this range special care must be taken, refer to **Palliside** installation guides.

### Application - generally

- 3.5        **FIX BUILDING WRAP**  
Run and fix building wrap in full height rolls to wall framing, with fixing and end laps to [NZS 3604](#) and the wrap manufacturer's requirements and with the wrap not damaged in any way.
- 3.6        **INSTALL CAVITY BATTENS**  
Install 18mm minimum thick cavity battens to [NZBC E2/AS1: 9.0 Wall claddings](#), where required. Fix vertical cavity battens to wall framing studs. The battens are fixed by the cladding fixings which will penetrate the wall framing studs, through the building wrap or rigid air barrier. Seal the top of the cavity and install vermin-proofing at base. Do not use horizontal cavity battens. Use cavity spacers where fixing is required between cavity battens.
- 3.7        **PENETRATIONS AND FLASHINGS**  
Confirm that exterior wall openings have been prepared ready for the installation of all window and door frames and other penetrations through the cladding. Required preparatory work includes the following:
- Building wrap appropriately incorporated with penetration and junction flashings.
  - Materials lapped in a way that water tracks down to the exterior face of the building wrap.
  - Wall cladding underlay/building wrap to openings finished and dressed off ready for the installation of window and door frames and other penetrations
  - Claddings neatly finished off to all sides of openings
  - Installation of flashings (those required to be installed prior to installation of penetrating elements).
- 3.8        **INSTALL PALLISIDE BASE ACCESSORIES**  
Install **Palliside** starter strips, vermin trays and channels to Palliside installation guides.
- 3.9        **INSTALL PALLISIDE WEATHERBOARDS**  
Cut **Palliside** weatherboards to required lengths and fit joints off-stud using Palliside moulded soakers.
- 3.10       **INSTALL FLASHINGS**  
Install flashings at all wall openings, penetrations, junctions, connections, window sills, heads and jambs to Palliside technical and installation guides and to [NZBC E2/AS1](#).
- 3.11       **INSTALL PALLISIDE EXTERNAL CORNER SOAKERS**  
Install the **Palliside** corner soaker and soaker cap to Palliside technical and installation guides. Soaker cap profile to match the weatherboard profile, and be aligned accurately.
- 3.12       **INSTALL PALLISIDE BOXED AND INTERNAL CORNERS**  
Install the **Palliside** base piece and male cap piece to Palliside technical and installation guides. Install **Palliside** moulded end plugs to Palliside technical and installation guides.
- 3.13       **SEALANTS AND AIR SEALS**  
Install air seals to requirements of Palliside technical guides and to [NZBC E2/AS1](#) clause 9.1.6. Flash pipe penetrations and add pipe flanges and sealant where required to provide additional protection. Complete seal to electrical meter box to Palliside design details. Seal all other junction to Palliside design details.

### **Completion**

- 3.14       **REPLACE**  
Replace all damaged or marked elements.
- 3.15       **LEAVE**  
Leave work to the standard required for following procedures.
- 3.16       **REMOVE**  
Remove debris, unused materials and elements from the site.

#### 4. SELECTIONS

##### 4.1 BUILDING WRAP

Brand/type: ~  
Flashing tape: ~

##### 4.2 CAVITY BATTENS

Timber species: Radiata pine  
Treatment: H3.1

##### 4.3 PALLISIDE WEATHERBOARDS

Brand/type: **Palliside** uPVC Weatherboard  
Profile/texture: ~  
Colour: ~

##### 4.4 JOINTERS

Type: **Palliside** moulded flat soaker to match weatherboard profile

##### 4.5 CORNER SOAKERS

Type: **Palliside** moulded corner soaker to match weatherboard profile

##### 4.6 BOXED CORNERS

Type: **Palliside** ~  
End plugs: **Palliside** moulded end plugs to match weatherboard profile.

##### 4.7 FLASHINGS

Type: **Palliside** proprietary flashings

##### 4.8 FIXINGS FOR PALLISIDE ITEMS

Concealed Fixing: ~  
Exposed Fixing: ~