

ULLTRACLAD[®]



PROJECT SPECIFICATION

VERTICAL WEATHERBOARD

CAVITY - CONSTRUCTION

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1 PROJECT OVERVIEW

SCOPE

Ulltraclad Cladding System

ADDRESS

Site Address

City

2 CARPENTRY

2.1 Preliminary

Refer to General Conditions of Contract and the Special Conditions in this Specification as appropriate. Read this section in conjunction with all other trade sections.

2.2 Compliance

Comply with the New Zealand Building Code 1992 including all revisions and amendments, Verification Methods where appropriate, and construction principles that are embodied in the Acceptable Solutions.

Comply with all relevant provisions and recommendations of:

1170.2:2011(AS/NZS)	Structural design actions - Wind actions
3602:2003(NZS)	Timber and wood-based products for use in building
3603:1993(NZS)	Timber Structures Standard
3604:2011(NZS)	Timber-framed buildings
NZBC B2	Durability
NZBC E2	External moisture

2.3 General

This section includes the receiving, stacking and storage of all Carpenter's materials and the fabrication, erection and fixing of all framing, sheathings and finishing timbers, including all work incidental to neatly finishing in other trades and all temporary work and temporary bracing.

The Carpenter shall attend upon all trades, and shall supply and fix all obviously necessary but not specifically mentioned fixings and materials.

2.4 Ulltraclad Cladding Systems

2.4.1 Scope

Ulltraclad Vertical Weatherboard Cavity System

Supply and install Ulltraclad Vertical Weatherboard Cavity System as an external wall cladding over a 20mm drained cavity to the locations identified on the drawings, complete with all accessories. All aspects of this work shall be in complete accordance with Ulltraclad's Technical and Installation Guides and Details (check www.ulltraclad.co.nz or call 0800 500 330 for the latest editions), BRANZ Appraisal No.796 (2013) other relevant product manufacturers' recommendations, and as shown on the drawings.

No substitutions are permitted for Ulltraclad Vertical Weatherboard Cavity System.

2.4.2 Weatherboard Profile

Shadoline Weatherboard - 205mm

Ulltraclad 'Shadoline Weatherboard' profile: nominal 205mm wide x 15mm thick flat profile weatherboard with negative joint detail and a smooth face, 200mm effective cover, 1.5mm thick extruded aluminium, with powdercoat finish as selected.

2.4.3 Weatherboard Finish

Dulux Duratec Generation 2

Dulux Duratec Generation2 powder coat finish to all Ulltraclad weatherboards and powdercoated accessories, selected from the Duratec colour range.

Colour:

Dulux Duralloy Generation 2

Dulux Duralloy Generation2 powder coat finish to all Ulltraclad weatherboards and powdercoated accessories, selected from the Duralloy colour range.

Colour:

2.4.4 Weatherboard Length

5m Standard Lengths

Ulltraclad Weatherboards supplied in 5.0m standard lengths.

6m Standard Lengths

Ulltraclad Weatherboards supplied in 6.0m standard lengths.

2.4.5 Co-operation

Co-operate with other trades to ensure that all preliminary and preparatory works, including membranes, underlays, rigid air barriers, and trims and any other related works are completed to specification and as shown on the drawings.

Co-ordinate with trades the locations of pipes, outlets, cables, meter boards and other fittings installed by others, and to install Ulltraclad Vertical Weatherboard Cavity System as required.

2.4.6 Workmanship

Where required by the NZ Building Amendment Act 2012 it is the building contractor's responsibility to ensure that all restricted building work is carried out by a Licensed Building Practitioner.

Installation work shall be carried out by qualified tradespeople, familiar with the specified products and installation techniques, in accordance with the Ulltraclad Vertical Weatherboard Cavity System BRANZ Appraisal No.796 (2013), Ulltraclad installation requirements, and as noted and detailed on the drawings.

2.4.7 Delivery & Handling

Store Ulltraclad weatherboards and accessories undercover and protect from damage and moisture at all times. Stack flat on a level platform off the ground, ie. use the supplied delivery pallet on level ground (if no pallet then evenly spaced gluts on level ground at 600mm centres maximum). Carry weatherboards on edge. Do not use damaged or faulty weatherboards or accessories.

Handle weatherboards and accessories in accordance with the manufacturer's recommendations.

2.4.8 Preparation

Timber Frame, Building Underlay, Cavity Fix - Vertical Cladding

Timber Framing; check all aspects of preparatory works, including but not limited to:

Check that the timber wall framing complies with NZS 3604, or in accordance with NZS 3603 and AS/NZS 1170 for specific design, and in accordance with Ulltraclad requirements.

Check that the framing has studs at maximum 600mm centres and nogs/dwangs at maximum 600mm centres for vertical cladding, is plumb and in true alignment, includes all blocking required for cavity battens and fixing at openings, joints, corners and soffits etc., and has a maximum moisture content of 20% at the time of cladding installation.

Check that the building underlay as specified has been installed in accordance with NZBC requirements and the manufacturer's recommendations, and with all finishing tapes, flashings etc. at windows, doors, corners and penetrations all correctly incorporated to provide a continuous seal. Where the studs are at greater than 450mm centres, check that appropriate additional restraint is correctly installed to keep bulk insulation from pushing the building underlay into the cavity space. Check that all preparatory materials are lapped such that any water will run down to the exterior. Check that any rigid air barrier to unlined gables and external garage walls is installed with an absorbent flexible underlay in accordance with E2/AS1 Table 23 and the manufacturer's recommendations.

Check that the ground levels are sloping away from the building so that there will be no ponding water against the building, and that the ground will remain clear of the weatherboards by at least 100mm at all times in accordance with E2/AS1.

2.4.9 Cavity Battens

Cavibat Cavity Battens - Vertical Cladding

45 x 18mm Cavibat, extruded polypropylene Cavity Battens, fixed with 40 x 2.5mm hot-dipped galvanized flat head nails at maximum 800mm centres to nog/dwang lines (nogs at maximum 600mm centres).

2.4.10 Cavity Closure Strip

Ulltraclad Cavity Vent strip

Ulltraclad Cavity Vent Strip: folded aluminium, perforated proprietary cavity closure strip. Fixed with 30mm x 2.5mm hot dipped galvanised clouts in accordance with Ulltraclad requirements.

2.4.11 Corner Junctions

Corner Junctions

External and internal corner junctions flashed and finished with Ulltraclad 90° 2-part External and Internal Corner flashing moulds, powder coat finish, colour matched with weatherboards, and fixed with 30mm x 2.5mm hot dipped galvanised clouts in accordance with Ulltraclad requirements.

2.4.12 Flashings

Window & Door Openings

Window and door openings flashed with Ulltraclad Head Flashing and Jamb Flashing; extruded aluminium proprietary flashings powder coat finish colour matched with weatherboards, fixed with

30mm x 2.5mm hot dipped galvanised clouts, and installed in accordance with Ulltraclad requirements.

Ensure that the window fabricator sizes all joinery to the correct joinery set-out and depth in accordance with the Ulltraclad requirements and as shown on the drawings.

Inter-storey Joints

Inter-storey joints flashed with Ulltraclad Inter-storey Flashing, extruded aluminium powder coat finish colour matched with weatherboards, installed in accordance with Ulltraclad requirements.

Inter-storey drainage joints are required for three storey construction, with powder coated aluminium flashing colour matched with weatherboard, as detailed and in accordance with Ulltraclad requirements.

2.4.13 Installation

Timber Frame, Building Underlay, Cavity Fix - Vertical Cladding

Fix the Ulltraclad Cavity Vent Strip to the framing, level along the required base line as detailed - ensure that the perforations are kept clear and unobstructed at all times during installation.

Fix the specified cavity battens through the building underlay to the framing to the layout shown on the drawings.

Fix the inner sections of Ulltraclad Internal and External Corner flashings, and the Ulltraclad vertical Board Jointer where required, to the framing. Fix the Ulltraclad Starter Strip to the framing 50mm minimum or as detailed, below the bottom plate or floor structure, to a level line.

Allow for a 4mm expansion gap at each end when cutting weatherboards to length.

Starting from a corner, install weatherboards vertically to straight plumb lines. Keep cladding lines plumb and true along walls.

As each board is installed, lock the leading edge of the board into the trailing edge of the fixed board with the bottom edge slotted into the channel of the base starter strip, and secure the edge with Ulltraclad Locator Clips fixed to every nog/dwang through the cavity batten into the framing.

Internal and external corner junctions, weatherboard jointing, Ulltraclad mouldings and flashings around windows, doors and openings, inter-storey joints, soffit junctions and roof/wall junctions shall all be carefully constructed, fixed, and finished to the details shown on the drawings and to Ulltraclad installation requirements. Finish weatherboards at parapets and flash as detailed on the drawings.

Neatly form any necessary pipe or other penetration through the weatherboards, with an even margin all round, and seal flush with colour-matched sealant. Where detailed on the drawings, install a pipe flange as noted. Ensure that a pipe bandage is fitted to all pipes etc. to maintain weathertightness and air pressure resistance prior to installing the weatherboard.

2.4.14 Fixing

Secure weatherboards with Ulltraclad Locator Clips, fixed to framing with Ulltraclad 50mm x 3.3mm AISI-302Cu stainless steel screws in accordance with Ulltraclad requirements. Screws embedded minimum 30mm into timber framing.

2.4.15 Sealant

Flexible sealant to be BRANZ Appraised and NZBC E2 AS/1 compliant for use with powder coated aluminium. Used in accordance with the sealant manufacturer's recommendations as a weather sealing sealant.

Manufacturer, brand name & type:

Sealant colour:

2.4.16 Completion

Check that the weatherboards have been installed correctly, that all joints, trim and accessories have been completed correctly, and that all openings and penetrations have been flashed and sealed correctly. Check that no damage or marking has occurred to any installed weatherboard or component, replace as necessary.

Ensure that the work of other trades does not reduce the cladding to ground, deck or roof clearances that are required by the NZ Building Code.

Leave the work area clean and remove rubbish and excess material from site.

Issue to the Owner a copy of the Ulltraclad maintenance requirements and Product and Installation Warranties for the completed works.