JamesHardie™

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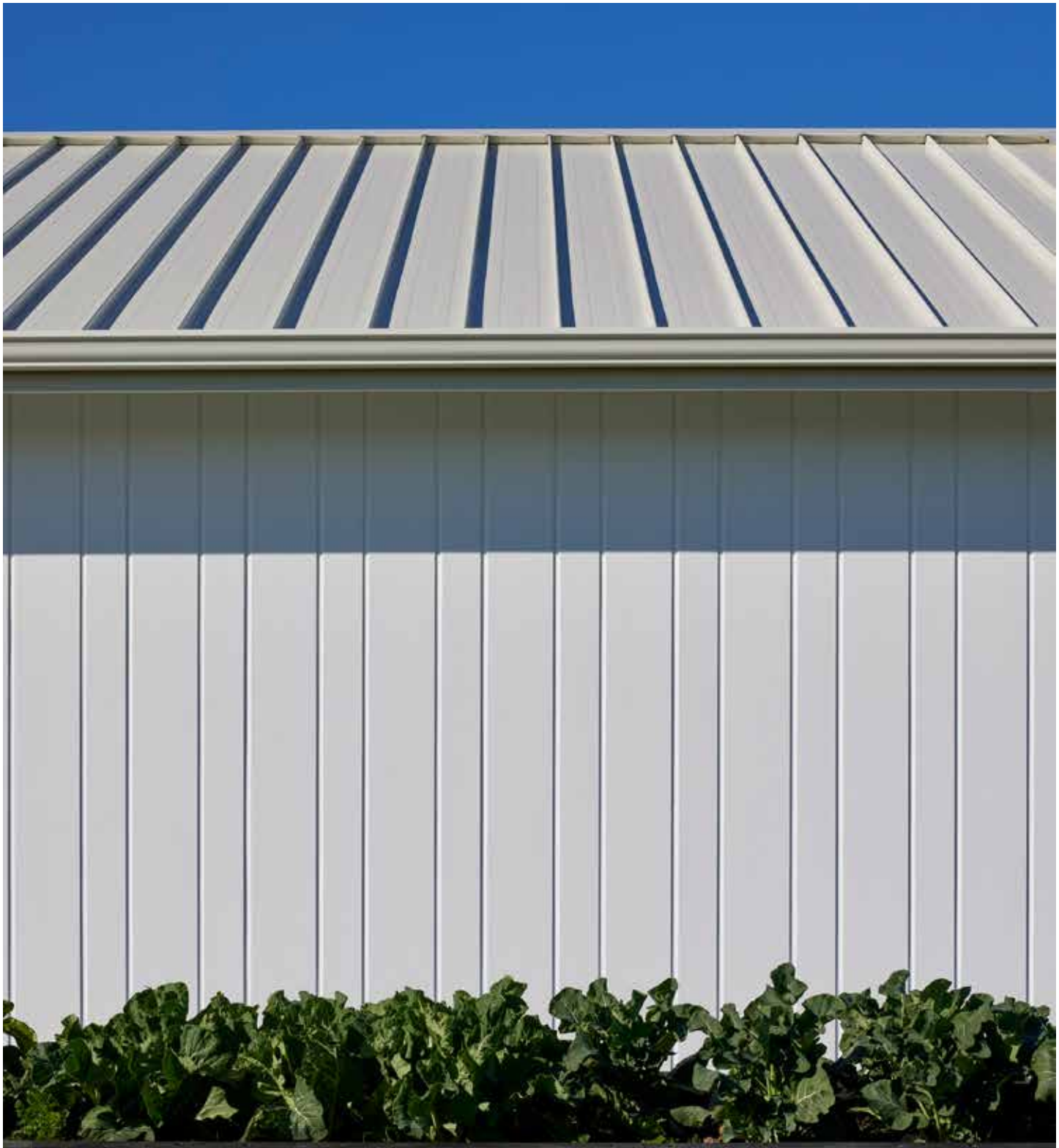
Oblique™ Weatherboard Vertical Installation

Technical Specification

March 2026 New Zealand



We value your feedback!

To continue with the development of our products and systems, we value your input. Please send any suggestions, including your name, contact details, and relevant sketches to:

Ask James Hardie™
literaturefeedback@jameshardie.co.nz

Make sure your information is up to date

When specifying or installing Hardie™ fibre cement products, ensure that you have the current manual. Additional installation information, warranties and warnings are available at **www.jameshardie.co.nz** or **Ask James Hardie™ on 0800 808 868.**

Contents

1 Product Overview 4

1.1 Production Information 4
1.2 Manufacturing and Classification 4
1.3 Components and Accessories 5

2 Application and Scope 7

2.1 Application 7
2.2 Scope 7
2.3 Details 7
2.4 Specific Design 7

3 Compliance 8

3.1 Compliance 8

4 Design 8

4.1 Responsibility 8
4.2 Clearances 9
4.3 Moisture Management 9
4.4 Structure 9
4.5 Wind Pressures 10
4.6 Structural Bracing 10
4.7 Energy Efficiency 10
4.8 Fire Rated Walls 10
4.9 Control of External Fire Spread 10
4.10 Durability 11
4.11 Alpine Regions 11

5 Safe Working Practices 12

5.1 Storage and delivery 14
5.2 Tips for Safe and Easy Handling of Oblique™ Weatherboard 15

6 Installation 15

6.1 Framing 15
6.2 Flexible Underlay or HomeRAB™ Pre-Cladding 16
6.3 Intermediate Support for Flexible Underlay 16
6.4 Rigid Air Barrier and RAB™ Board 16
6.5 Flashings 17
6.6 Cavity Closure/Vent Strip 17
6.7 Cavity Battens 17
6.8 Fastener 17
6.9 Joints 20
6.10 Junctions and Penetrations 20

7 Finishes 21

7.1 Preparation 21
7.2 Painting 21
7.3 Flexible Sealant 21

8 Care and Maintenance 22

9 Details 23

Product Warranty 66

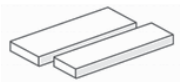
1 Product Overview

1.1 Production Information

Oblique™ Weatherboard installed as per this specification gives a vertical rusticated profile weatherboard appearance. Oblique™ Weatherboard can be fixed to timber-framed external walls.

A wide range of colours can be used varying from light to dark. Oblique™ Weatherboard is available in 200mm or 300mm widths, 4200mm or 3000mm lengths and is 14mm thick.

Table 1

Oblique™ Weatherboard information					
Product	**Description**	**Size (mm)**			**Code**
		Thickness	**Length**	**Width**	
	Oblique™ Weatherboard A 14mm profiled weatherboard for residential cladding. Factory sealed on all six sides. Each weatherboard has a manila white colour primer applied on its face, which accepts a wide range of paint finishes.	14	3000 4200	200 300 200 300	**405520** **405521** **405320** **405321**
	**Hardie™ Axent™ Trim** Hardie™ Axent™ Trim is a 19mm thick, pre-primed fibre cement product available in three widths. For use as decorative trims around openings, external corners and for board and batten features.	19	3000	45 70 89	**405260** **405257** **405258**

Note: All dimensions and masses provided are approximate only and are subject to manufacturing tolerances.

Oblique™ Weatherboard is manufactured in a 14mm thickness and has a mass of 16kg/m^2. Oblique™ Weatherboard is defined as a Light Weight Wall Cladding (not exceeding 30kg/m^2) as per the NZS 3604.

1.2 Manufacturing and Classification

Oblique™ Weatherboard is an advanced lightweight cement composite cladding, manufactured using James Hardie formulation. Basic composition is Portland cement, ground sand, cellulose fibre, water and proprietary additives. The product is easily identified by the name 'Oblique™ Weatherboard'.

Hardie™ Axent™ Trim is an advanced lightweight cement composite cladding manufactured using a basic composition of Portland cement, ground sand, cellulose fibre, water and proprietary additives. The product is easily identified by the name 'Hardie™ Axent™' printed on the back.

Oblique™ Weatherboard and Hardie™ Axent™ Trim products are manufactured in Australia to Australian/New Zealand Standard AS/NZS 2908.2 ‘Cellulose-Cement Products’ (ISO 8336 ‘Fibre-Cement Flat Sheet’).

Oblique™ Weatherboard is classified Type A, Category 2 in accordance with the AS/NZS 2908.2 “Cellulose-Cement Products”.

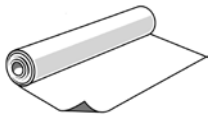
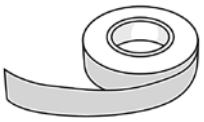
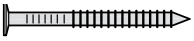
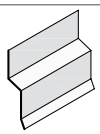
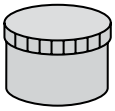
For Safety Data Sheets (SDS) visit **www.jameshardie.co.nz** or **Ask James Hardie**™ on **0800 808 868**.

1.3 Components and Accessories

Table 2

Accessories/tools supplied by James Hardie			
Accessories	**Description**	**Size**	**Code**
	Hardie™ Horizontal Cavity Batten 20mm H3.1 LOSP Timber treated batten the cladding is fixed over	2700mm long	**305862**
	Hardie™ 14mm Aluminium Trimline Joint Flashing Aluminium extrusion used behind cladding at horizontal joints.	3000mm long	**305827**
	Hardie™ Aluminium Internal Corner 'W' Mould Anodised aluminium extrusion used to create internal corners.	3000mm long 4000mm long	**306262** **306180**
	Hardie™ 14mm Aluminium Internal Corner Anodised aluminium extrusion used to create internal corners.	3000mm long	**304871**
	Hardie™ 14mm Aluminium Weatherboard External Box Corner Anodised aluminium extrusion used to create external corners.	3000mm long 4000mm long	**306261** **305823**
	uPVC Vent Strip PVC moulding used as vermin proofing.	3000mm long	**302490**
	Trimline Horizontal Jointer A jointer to cover the butt joint of Oblique™ Trimline Joint Flashing	100mm long	**305871**
	Trimline External Corner Jointer Joins Trimline Joint Flashing at an external corner		**305870**
	Trimline Internal Corner Jointer Joins Trimline Joint Flashing at an internal corner		**305872**
	Oblique™ 14mm Plug To fill recess in Oblique™ Weatherboard 14mm		**306154**
Tools			
	Hardie™ Blade Saw Blade Diamond tip fibre cement circular saw blade. Spacers not included.	184mm 254mm	**300660** **303375**

Table 3

Accessories/tools not supplied by James Hardie	
James Hardie recommends the following products for use in conjunction with Oblique™ Weatherboard. James Hardie does not supply these products and does not provide a warranty for their use. Please contact component manufacturer for information on their warranties and further information on their products.	
Product	**Description**
	**Flexible underlay** Must comply with Table C.2.1.1 of E2/AS1.
	**Flexible window opening flashing tape** A flexible self-adhesive tape used in preparation of a window. Refer to the window installation section in this manual for more information. e.g. Protecto® or Super-Stick Building Tape® by Marshall Innovations or 3M™ All Weather Flashing Tape 8067 by 3M™ Marshall Innovations: 0800 776 9727 3M™: 0800 474 787
	Flexible Sealant Bostik® Seal N' Flex® 1, Sikaflex® AT Facade, Sikaflex® MS or similar.
	65 x 2.87mm 'D' head nail or 65 x 2.87 RounDrive nail (ring shank hot dipped galvanised/stainless steel) For fixing Oblique™ Weatherboard.
	**75 x 3.06mm 'D' head nail or 75 x 3.15 RounDrive nail** (hot dipped galvanised or ring shank stainless steel) For fixing Oblique™ Weatherboard.
	40 x 2.8mm or longer Hardie™ Flex nail. For fixing timber cavity battens and aluminium flashings.
	**Head flashing** Required over window heads to be supplied by window installer. Material must comply with Table C.1.1.1A and C.1.1.1B of E2/AS1.
	**Exterior grade filler** CRC® ADOS® Builders Fill or similar two part filler to fill over nail holes
	Penetration Seals Thermakraft™: 0800 806 595 Marshall Innovations: 0800 776 9727

2 Application and Scope

2.1 Application

Oblique™ Weatherboard can be installed vertically to timber frame or steel frame.

The document also serves the purpose of an installation manual for this product.

For fixing to steel frame, Ask James Hardie™ on 0800 808 868 for specific requirements or refer to Steel Frame Technical Supplement by James Hardie for more information.

Specifiers

If you are a specifier or other responsible party for a project, ensure that the information in this document is appropriate for the application you are planning and that you undertake specific design and detailing for areas which fall outside the scope of these specifications.

Installers

If you are an installer, ensure that you follow the design, moisture management principles, associated figures and material selection provided by the designer and this Technical Specification. All of the details provided in this document must be read in conjunction with the project specification.

2.2 Scope

This specification covers the installation of Oblique™ Weatherboard within the following scope:

- In all wind zones up to a design wind pressure of 3.2kPa (ULS) up to 25m of building height. In wind zones greater than Very High (VH), a rigid air barrier must be used
- An external wall structure that complies with the NZBC for an existing building or new building where the designer and/or installer has established that the external wall frame is suitable for the cladding installation
- The Oblique™ Weatherboard must be installed vertically

Refer to Oblique™ Weatherboard Horizontal Installation Technical Specification when installing horizontally.

2.3 Details

Various typical Oblique™ Weatherboard vertical construction details are provided in the Details section of this document. These details are available in dwg, dxf, jpg and pdf file format and can be downloaded from our website at www.jameshardie.co.nz.

All dimensions shown are in millimetres unless noted otherwise.

2.4 Specific Design

For use of Oblique™ Weatherboard in a specific engineering design (SED) project that is outside the scope of this literature, the designer, architect or engineer must ensure that applicable clauses of the NZBC have been considered and a specific design has been undertaken.

3 Compliance

3.1 Compliance

Oblique™ Weatherboard installed in accordance with this specification has been tested to demonstrate compliance with clauses E2, B1, B2 and F2 of the NZBC.

When installed in accordance with the conditions of CodeMark number GM-CM30147 Oblique™ Weatherboard complies with all relevant requirements of the NZBC. Please refer to www.tepae.building.govt.nz or www.jameshardie.co.nz for a copy of the certificate.

CodeMark
CMNZ30147

Oblique™ Weatherboard Vertical Installation has a BRANZ Appraisal number 1232 (2022) to demonstrate compliance with the requirements of the NZBC. Please refer to our website www.jameshardie.co.nz for a copy of the BRANZ appraisal.

BRANZ Appraised
Appraisal No. 1232

4 Design

4.1 Responsibility

The specifier or other party responsible for the project must ensure that the information and details in this specification are appropriate for the intended application and that additional detailing is performed for specific design or any areas that fall outside the scope of this technical specification. For applications outside the scope of this literature and details, which are not provided herein, the architect, designer or engineer must undertake specific design and it should be ensured that the intent of their design meets the requirements of the NZBC.

All New Zealand Standards referenced in this document are current editions and must be complied with.

Make sure your information is up to date

When specifying or installing products by James Hardie, ensure that you have the current manual. Additional installation information, warranties and warnings are available at www.jameshardie.co.nz or Ask James Hardie™ on 0800 808 868.

James Hardie conducts stringent quality checks to ensure that any product manufactured falls within our quality spectrum. It is the responsibility of the builder to ensure that the product meets aesthetic requirements before installation. James Hardie will not be responsible for rectifying obvious aesthetic surface variations following installation.

4.2 Clearances

The clearance between the bottom edge of the cladding and paved/unpaved ground must comply with Subsection 9.1.2 of E2/AS1. The finished floor level must also comply with these requirements. These clearances must be maintained throughout the life of the building.

Oblique™ Weatherboard must overhang the bottom plate by a minimum of 50mm as per Table 9.1.2.1, and for timber sub floor framing as per Paragraph 9.1.2.8 of NZBC Acceptable Solution E2/AS1.

Oblique™ Weatherboard must maintain a minimum clearance of 100mm from paved ground, and 175mm from unpaved ground.

On roofs and decks, the minimum clearance must be 50mm.

4.3 Moisture Management

It is the responsibility of the specifier to identify moisture related risks associated with any particular building design.

Wall construction design must effectively manage moisture, considering both interior and exterior environments of the building, particularly in buildings that have a higher risk of wind driven rain penetration. The building should also be ventilated sufficiently to control moisture accumulation due to condensation, especially in artificially cooled/heated buildings.

Walls must include those provisions as required by the NZBC Acceptable Solution Clause E2/AS1. In addition, all wall openings, penetrations, junctions, connections, window sills, heads and jambs must incorporate appropriate flashings for waterproofing. Other materials, components and installation methods used to manage moisture in external walls, must comply with the requirements of relevant standards and the NZBC. For further guidance on designing for weathertightness, refer to BRANZ Ltd. and the Ministry of Business Innovation and Employment (MBIE) updates on the following websites respectively, www.branz.co.nz and www.building.govt.nz.

In addition, the following issues must also be considered:

- Sealant must be installed where detailed in this literature
- For buildings within the scope of E2/AS1, a drained horizontal joint must be provided after two floors as a minimum. For buildings more than 10m high, a drained horizontal joint must be provided at each floor to accommodate the interstory deflection
- The installation of smoke chimneys, pipe penetrations and other fixtures etc. must not track moisture into the wall or restrict the drainage of moisture to the exterior

4.4 Structure

4.4.1 Timber Framing

Timber framed buildings must either be in accordance with the NZS 3604 (Timber-framed buildings) or designed as per specific engineering design (SED) up to design wind pressures 3.2kPa (ULS).

A 90 x 45mm minimum framing size is required.

The information published in this specification has been assessed for a timber structural grade SG8 at minimum. Refer to the NZS 3604 for further information on structural grades and their application.

For timber frame walls longer than 12m, it is best practice to allow for construction joints to accommodate movements generated due to timber shrinkage or structural deflections.

4.4.2 Durability

Timber framing must be treated in accordance with Section 3.3 of B2/AS1 'Durability' Clause of the NZBC.. For further timber treatment information refer to Section 3.5.1 of Building Product Specification (BPS)Framing must be protected from moisture at sites in accordance with the recommendations of framing manufacturers. Refer to the NZS 3602 for information about the allowable moisture content in timber framing.

4.5 Wind Pressures

Oblique™ Weatherboard is suitable for use in wind zones up to and including EH as defined in the NZS 3604.

Oblique™ Weatherboard is also suitable for use in specific design projects up to wind pressures of 3.2kPa (ULS).

4.6 Structural Bracing

Oblique™ Weatherboard installed as per this specification cannot be used to achieve structural bracing. However, bracing can be achieved by using a HomeRAB™ Pre-Cladding or RAB™ Board installed direct to framing instead of a flexible underlay or by using the Villaboard™ Lining bracing system on the internal face of the wall. Refer to the Bracing Design Manual by James Hardie for further information.

4.7 Energy Efficiency

External walls constructed as per this technical specification, using Oblique™ Weatherboard must use suitable bulk insulation to meet the minimum thermal insulation requirements as per Clause H1/AS1 'Energy Efficiency' of the NZBC.

4.8 Fire Rated Walls

Oblique™ Weatherboard when fixed over timber cavity battens to external walls can achieve fire ratings up to 60/60/60 to comply with Clause C/AS1 and C/AS2 of the NZBC, when the walls are constructed in accordance with the current Fire and Acoustic Design Manual by James Hardie.

Nogs in fire rated walls must be at 600mm centres maximum.

Oblique™ Weatherboard is classified as a 'non-combustible' material suitable for use on walls close to a boundary.

Note: 300mm Oblique™ Weatherboards to have 2 nails. Refer to Figure 7.

4.9 Control of External Fire Spread

Oblique™ Weatherboard is classified as 'Type-A' material when tested to the requirements of Section 8.4 of Building Product Specification (BPS) of the NZBC and is suitable for use where ‘Non Combustible Material’ or ' Limited Combustibility Material' is required for use on external walls close to boundary as per the requirements of Clause C/AS1 and C/AS2 of the NZBC.

- Where the upper floors contain sleeping uses or other property within the scope of Clause C/AS2, a horizontal flashed joint must be provided to block the top of lower cavity at each floor level each floor to stop fire spread within the cavities as per Subsection 5.5.3 of C/AS2 of the NZBC
- On buildings greater than 10m in height, a RAB™ Board must be used in conjunction with Oblique™ Weatherboard
- For Oblique™ Weatherboard on buildings with internancy horizontal joint an aluminium vent strip must be used.

4.10 Durability

Oblique™ Weatherboard installed and maintained as per this technical specification will meet the durability requirement for cladding as per the NZBC clause B2 Durability.

Oblique™ Weatherboard is resistant to permanent moisture induced deterioration (rotting) and meets the requirements of the following tests in accordance with the AS/NZS 2908.2:

- Heat Rain (Clause 6.5)
- Water Permeability (Clause 8.2.2)
- Warm Water (Clause 8.2.4)
- Soak Dry (Clause 8.2.5)

4.11 Alpine Regions

In regions subject to freeze/thaw conditions, Oblique™ Weatherboard must not stay in direct contact with snow or ice build up for extended periods, e.g. external walls in alpine regions must be protected where snowdrifts over winter are expected.

These products meet the requirements of the AS/NZS 2908.2 Clause 8.2.3.

5 Safe Working Practices

WARNING - DO NOT BREATHE DUST AND CUT ONLY IN WELL VENTILATED AREA

Hardie™ fibre cement products contain sand, a source of respirable crystalline silica may cause cancer if dust from product is inhaled. Causes damage to lungs and respiratory system through prolonged or repeated inhalation of dust from product.

Intact fibre cement products are not expected to result in any adverse toxic effects. The hazard associated with fibre cement arises from the respirable crystalline silica present in dust generated by activities such as cutting, rebating, drilling, routing, sawing, crushing, or otherwise abrading fibre cement, and when cleaning up, disposing of or moving dust.

When doing any of these activities in a manner that generates dust, follow James Hardie instructions and best practices to reduce or limit the release of dust.

If using a dust mask or respirator, use an AS/NZS1716 P1 filter and refer to Australian/New Zealand Standard 1715:2009 Selection, Use and Maintenance of Respiratory Protective Equipment for more extensive guidance and more options for selecting respirators for workplaces. For further information, refer to our installation instructions and Safety Data Sheets available at www.jameshardie.co.nz.

FAILURE TO ADHERE TO OUR WARNINGS, SAFETY DATA SHEETS, AND INSTALLATION INSTRUCTIONS MAY LEAD TO SERIOUS PERSONAL INJURY OR DEATH.

Crystalline Silica is

- Commonly known as sand or quartz
- Found in many building products e.g. concrete, bricks, grout, wallboard, ceramic tiles, and all fibre cement materials

Why is Crystalline Silica a health hazard?

- Silica can be breathed deep into the lungs when present in the air as a very fine (respirable) dust
- Exposure to silica dust without taking the appropriate safety measures to minimise the amount being breathed in, can lead to a potentially fatal lung disease – silicosis – and has also been linked with other diseases including cancer. Some studies suggest that smoking may increase these risks
- The most hazardous dust is the dust you cannot see!

When is Crystalline Silica a health hazard?

- It's dangerous to health if safety protocols to control dust are not followed when cutting, drilling or rebating a product containing crystalline silica and when cleaning up
- Products containing silica are harmless if intact (e.g. an un-cut sheet of wall board)

Avoid breathing in crystalline silica dust

Safe working practices

- ✗ NEVER use a power saw indoors or in a poorly ventilated area
- ✗ NEVER dry sweep
- ✓ ALWAYS use M Class or higher vacuum or damp down dust before sweeping up
- ✗ NEVER use grinders
- ✓ ALWAYS use a dust reducing circular saw equipped with a sawblade specifically designed to minimise dust creation when cutting fibre cement – preferably a sawblade that carries the Hardie™ Blade name or one with at least equivalent performance – connected to an M Class or higher vacuum
- ✓ Before cutting warn others in the area to avoid dust
- ✓ ALWAYS follow tool manufacturers' safety recommendations
- ✓ ALWAYS expose only the minimum required depth of blade for the thickness of fibre cement to be cut
- ✓ ALWAYS wear a properly-fitted, approved dust mask or respirator P1 or higher in accordance with applicable government regulations and manufacturer instructions
- ✓ Consider rotating personnel across cutting tasks to further limit respirable silica exposures.

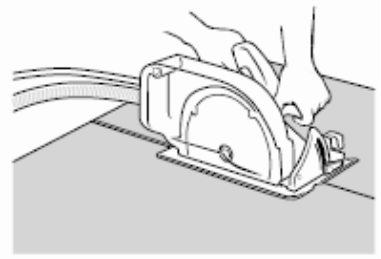
When cutting

- ✓ Work outdoors only
- ✓ Make sure you work in a well ventilated area
- ✓ Position cutting station so wind will blow dust away from yourself and others in the working area
- ✓ Rotate employees across cutting task over duration of shift
- ✓ Cut products with a Hardie™ Blade Saw Blade (or equivalent) and a dust reducing circular saw connected to a M Class or higher vacuum
- ✓ When sawing, sanding, rebating, drilling or machining fibre cement products, always:
  - Wear your P1 or higher (correctly fitted in accordance with manufacturers' instructions), ask others to do the same.
  - Keep persons on site at least 2 metres and as far as practicable away from the cutting station while the saw is in operation
  - If you are not clean shaven, then use a powered air respirator with a loose fitting head top
  - Wear safety glasses
  - Wear hearing protection
- ✓ Make sure you clean up BUT never dry sweep. Always hose down with water/wet wipe or use an M Class or higher vacuum

If concern still exists about exposure levels or you do not comply with the above practices, you should always consult a qualified industrial hygienist or contact James Hardie for further information.

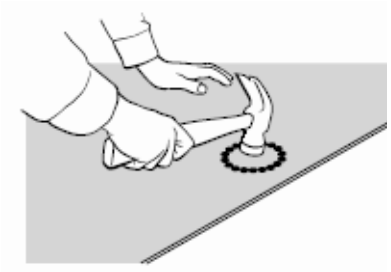
Working Instructions

Hardie™ Blade Saw Blade



The Hardie™ Blade Saw Blade used with a dust-reducing saw is ideal for fast, clean cutting of Hardie™ fibre cement products. A dust-reducing saw uses a dust collector connected to a M Class or higher vacuum. When sawing, clamp a straight edge to the sheet as a guide and run the saw base plate along the straight edge when making the cut.

Hole-Forming



For smooth clean cut circular holes:

- Mark the centre of the hole on the sheet
- Pre-drill a 'pilot' hole
- Using the pilot hole as a guide, cut the hole to the appropriate diameter with a hole saw fitted to a heavy duty electric drill

For irregular holes:

- Small rectangular or circular holes can be cut by drilling a series of small holes around the perimeter of the hole then tapping out the waste piece from the sheet face
- Tap carefully to avoid damage to sheets, ensuring that the sheet edges are properly supported

5.1 Storage and delivery

Keeping products and people safe

Off loading

✓ Hardie™ fibre cement products should be off-loaded carefully by hand or by forklift

✓ Hardie™ fibre cement products should not be rolled or dumped off a truck during the delivery to the jobsite

Storage

Hardie™ fibre cement products should be stored:

✓ In their original packaging

✓ Under cover where possible or otherwise protected with a waterproof covering to keep products dry

✓ Off the ground – either on a pallet or adequately supported on timber or other spacers

✓ Flat so as to minimise bending

Hardie™ fibre cement products must not be stored:

✕ Directly on the ground

✕ In the open air exposed to the elements

James Hardie is not responsible for damage due to improper storage and handling.

5.2 Tips for Safe and Easy Handling of Oblique™ Weatherboard

✕ Do not lift planked products flat and in the middle

✓ Carry the products on the edge

✓ If only one person is carrying the product, hold it in the middle and spread arms apart to better support the product

✓ If two people are carrying the plank, hold it near each end and on edge

✓ Exercise care when handling weatherboard products to avoid damaging the edges/corners

6 Installation

Oblique™ Weatherboard must be installed vertically using the cavity construction method as per the details and information published in this manual.

The two widths of Oblique™ Weatherboard can be mixed to create the desired look.

Oblique™ Weatherboard must be kept under cover whilst in storage or at sites and they must be dry at the time of their installation. All site-cut board edges must be sealed with Dulux® Acraprime® 501/1, Dulux® 1 Step, Resene® Quick Dry or a similar sealer compatible with the finish coat before installation.

Oblique™ Weatherboard must be fully supported and fixed through Hardie™ 20mm horizontal cavity battens. Ensure that cladding is hard against the battens to avoid drumminess.

This technical specification only covers the vertical installation of Oblique™ Weatherboard. Refer to the Oblique™ Weatherboard horizontal installation technical specification for horizontal installation.

6.1 Framing

Oblique™ Weatherboard can be fixed either to a timber-frame or steel-frame.

For fixing to a steel frame Ask James Hardie™ on 0800 808 868 for specific requirements.

6.1.1 Frame Construction

Use of timber framing must be in accordance with the NZS 3604 and the framing manufacturer's specifications. The framing must be rigid and must not rely on the cladding for stability. Timber framing sizes and its set-out must comply with the NZS 3604 or as per SED by project designer.

The following framing is required for Oblique™ Weatherboard vertical installation:

- Studs at 600mm centres maximum
- Nogs at 800mm centres maximum
- An extra stud is required in internal corners
- For fire rated walls nogs are required at 600mm centres maximum

In case of gable end trusses sitting on top plates of the external wall frame, the frame size must be in accordance with truss design and specification supplied by the frame and truss manufacturer/supplier supported by an independent design producer statement.

6.1.2 Special Framing Requirements

The following are special framing requirements for both timber and steel framing:

- Double studs are required at internal corners, refer to Figure 12
- Extra packers may be required at external corners
- When Oblique™ Weatherboard in fire rated wall systems by James Hardie, post fire stability stud spacing maybe required to be at closer centres. Refer to the Fire and Acoustic Design Manual by James Hardie.

6.1.3 Tolerances

In order to achieve the required performance and an acceptable wall finish, it is imperative that framing is straight and true. Framing tolerances must comply with Table 2.1 of the NZS 3604 and the manufacturer's specifications. All framing shall be made flush. Also refer to MBIE guidance to tolerances, materials and workmanships etc.

The visual aspects of the finished cladding can differ between two different sites or the builders installing the product. It is recommended that you also refer to a building guidance document published by MBIE to understand an acceptable level of tolerances allowed in building materials and workmanship. The 'Guide to tolerances, materials and workmanship in new residential construction 2015' can be found at www.building.govt.nz.

6.2 Flexible Underlay or HomeRAB™ Pre-Cladding

Flexible underlay or HomeRAB™ Pre-Cladding must be provided as per the requirements of External Moisture Clause E2 of the NZBC. The flexible underlay selected for use must comply with Table C.2.1.1 of E2/AS1.

The flexible underlay must be fixed in accordance with Subsection 9.1.6 of E2/AS1 and the underlay manufacturer's recommendations.

Walls which are not lined on the inside face (e.g. garage walls or gable ends), must include a rigid sheathing or an air barrier behind the cladding which complies with Table C.2.1.1 of E2/AS1. For attached garages, flexible underlays must be selected in accordance with the NZBC Acceptable Solution E2/AS1, Paragraph 9.1.2.7. HomeRAB™ Pre-Cladding by James Hardie complies with these requirements and is suitable for use in this situation. It must be installed in accordance with the HomeRAB™ Pre-Cladding and RAB™ Board Installation Manual.

6.3 Intermediate Support for Flexible Underlays

Where studs are at 600mm centres an intermediate means of restraining the flexible underlay and insulation from bulging into the cavity shall be installed. An acceptable solution as per Paragraph 9.1.7.10 of E2/AS1 of NZBC is using one of the following options:

- 75mm galvanised mesh; or
- Polypropylene tape at 300mm centres fixed horizontally and drawn taut

No intermediate supports are required:

- When studs are spaced at 400mm centres; or
- When rigid air barriers are used

6.4 Rigid Air Barrier and RAB™ Board

As per paragraph 9.1.6.2 of E2/AS1 in EH wind zone or for specific design wind zone, a rigid air barrier such as RAB™ Board, must be used instead of flexible underlay.

For buildings more than 10m, RAB™ Board must be used. To achieve the temporary weathertightness using HomeRAB™ Pre-Cladding and RAB™ Board, windows and doors need to be installed with required flashing tapes and seals etc. Refer to the HomeRAB™ Pre-Cladding and RAB™ Board Installation Manual for information regarding its installation and to achieve temporary weathertightness.

6.5 Flashings

All wall openings, penetrations, intersections, connections, window sills, heads and jambs must be flashed prior to Oblique™ Weatherboard installation. Refer to moisture management requirements in Clause 4.4. The flexible underlay/rigid air barrier must be appropriately incorporated with penetration and junction flashings using flashing tapes. Materials must be lapped in such a way that water tracks down to the exterior on the face of the flexible underlay or rigid air barrier board.

The selected flashing materials must comply with the durability requirements of the NZBC. For information refer to Table C.1.1.1A of E2/AS1.

When using HomeRAB™ Pre-Cladding and RAB™ Board the entire framing around openings must be protected with a flashing tape. The tape must be finished over the face of the rigid air barrier. Ensure to check the compatibility of flashing tapes and sealants with their manufacturers. Refer to the HomeRAB™ Pre-Cladding and RAB™ Board Installation Manual by James Hardie for further information.

6.6 Cavity Closure/Vent Strip

The Hardie™ uPVC cavity vent strip must be installed at the bottom of all walls and above all openings constructed using the drained and ventilated cavity construction method. It is important that the openings in the cavity closure/vent strip are kept clear and unobstructed to allow free drainage and ventilation of cavities. Hardie™ cavity closure/vent strip has a ventilation area of 1000mm^2/m length.

6.7 Cavity Battens

Oblique™ Weatherboard is to be installed on Hardie™ 20mm horizontal cavity battens. The cavity battens are provided in accordance with Paragraph 9.1.7.4 of E2/AS1.

The Hardie™ 20mm horizontal cavity battens are H3.1 treated in accordance with the NZS 3640 (Chemical preservation of rough and sawn timber) to comply with the durability requirements of B2/AS1.

Hardie™ 20mm horizontal cavity battens meet the requirements of Paragraph 9.1.7.8 E2/AS1 and:

- Are minimum 20mm thick and 45mm wide
- Fixed horizontally to nogs
- Fixed vertically to studs at corners and openings
- Fixed using 40 x 2.8mm Hardie™ Flex nails at 600mm centres

6.8 Fastener

6.8.1 Fastener – Size and Layout

Oblique™ Weatherboard must be fixed vertically to framing using fixings as specified in Tables 4 and 5 on the next page and follow the edge distance required for nails as shown in the details.

Table 4

Oblique™ Weatherboard 200mm with nogs at 800mm maximum centres			
Cavity Construction	**Wind Zone/Pressure**	**Fastener Type**	**Fixings**
Over Flexible Underlay	up to and including VH wind zone	65 x 2.87mm D-head or 65 x 2.87mm RounDrive **ring shank** nails	**Fix 1 nail** Nail at 90mm to 110mm from the edge/per board/ per nog/plate. **Refer to Figure 7**
Over RAB™ Board	up to and including EH wind zone and up to 3.2kPa (ULS) wind pressures	75 x 3.06mm D-head or 75 x 3.15mm RounDrive **ring shank** nails	**Fix 2 nails** One at 70mm from tongue and one at 40mm from lap edge of board per nog/ plate. **Refer to Figure 8**

Table 5

Oblique™ Weatherboard 300mm with nogs at 800mm maximum centres			
Cavity Construction	**Wind Zone/Pressure**	**Fastener Type**	**Fixings**
Over Flexible Underlay	up to and including H wind zone	65 x 2.87mm D-head or 65 x 2.87mm RounDrive **ring shank** nails	**Fix 1 nail** Nail at 140 - 160mm from the edge/per board/per nog/plate. **Refer to Figure 6**
	VH wind zone	65 x 2.87mm D-head or 65 x 2.87mm RounDrive **ring shank** nails	**Fix 2 nails** One at 70mm from tongue and one at 40mm from lap edge of board per nog/ plate. **Refer to Figure 7**
Over RAB™ Board	up to and including EH wind zone	75 x 3.06mm D-head or 75 x 3.15mm RounDrive **ring shank** nails	**Fix 2 nails** One at 70mm from tongue and one at 40mm from lap edge of board per nog/ plate. **Refer to Figure 8**
Over RAB™ Board	up to 3.2kPa (ULS) wind pressure	75 x 3.06mm D-head or 75 x 3.15mm RounDrive **ring shank** nails	**Fix 3 nails** One at 70mm from tongue, one at 40mm from lap edge and one at 140 - 160mm from lap edge of board per nog/ plate. **Refer to Figure 9**

For other fixing options Ask James Hardie™ on 0800 808 868.

- When fixing the weatherboards using nail guns, refer to the nail gun manufacturer for information about nails and the type of nail gun to be used
- D head nails - finish nails 2mm below weatherboard surface
- RounDrive nails - finish nails flush with weatherboard surface

6.8.2 Fastener Durability

Fasteners must meet the minimum durability requirements of the NZBC. NZS 3604 specifies the requirements for fixing materials to be used in relation to exposure conditions and are summarised in Table 6.

Fasteners must be fully compatible with the other materials that they are to be in contact with, to ensure the durability of the complete assembly.

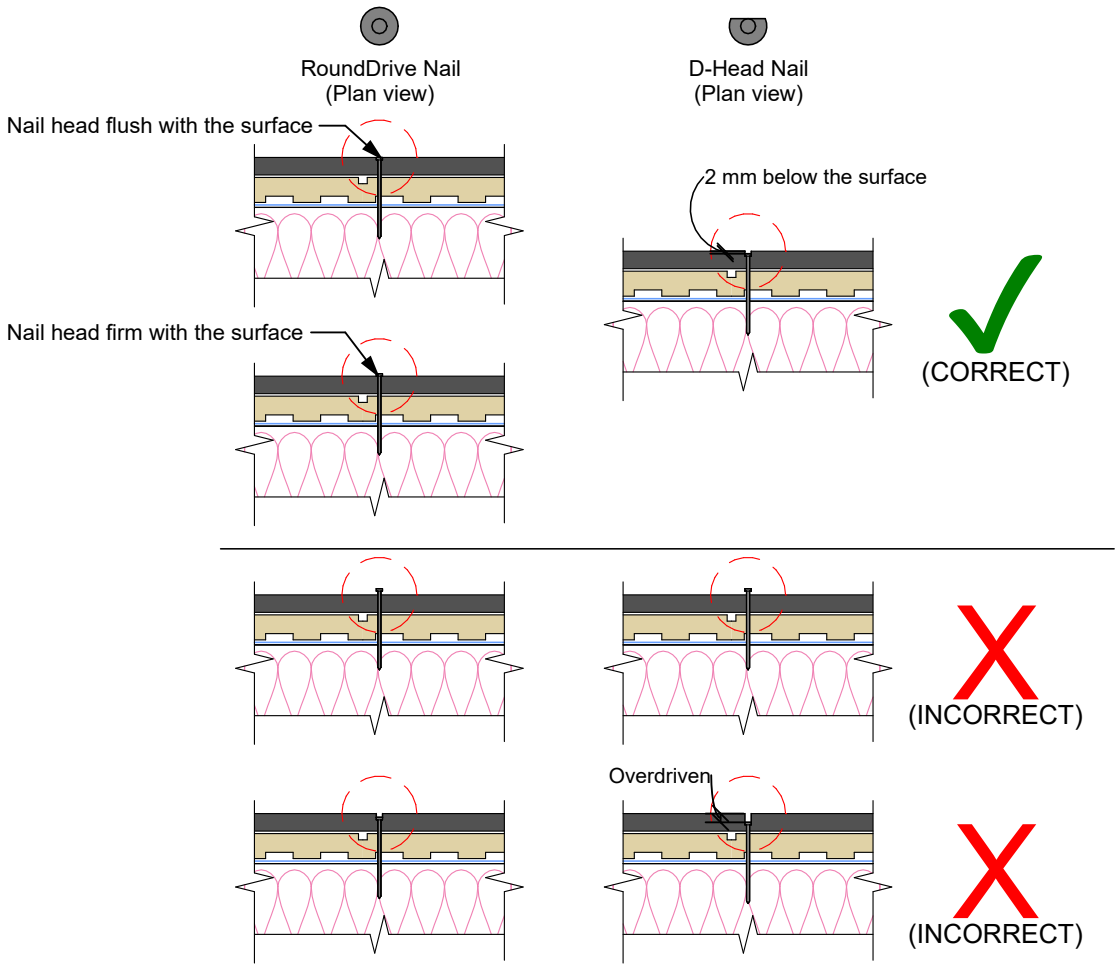
Also refer to the NZBC Acceptable Solution E2/AS1 Table C.1.1.1A and C.1.1.1B for information regarding the selection of suitable fixing materials and their compatibility with other materials.

Table 6

Exposure conditions and nail selection prescribed by the NZS 3604		
Zone	**Application**	
D (sea spray) and geothermal hot spots	General	Stainless steel 304/316
	Fire	
C* and B	General	Hot dip galvanised Must comply with the AS/NZS 4680
	Fire	

* Zone C areas where local knowledge dictates that increased durability is required, appropriate selection shall be made Microclimatic conditions as detailed in the NZS 3604, Paragraph 4.2.4 require SED.

Nail depth



6.9 Joints

6.9.1 Vertical Joint

Oblique™ Weatherboard vertical joints shall be formed using the ship lap edge of the Oblique™ Weatherboard. Ensure that the Oblique™ Weatherboards are securely interlocked before nailing, refer to Figures 6 to 9.

6.9.2 Horizontal Joint

Oblique™ Weatherboard can run continuously over floor joists without a flashed horizontal joint when LVL timber floor joists or engineered joist are used, refer to Figure 24.

When using a solid timber joist, a horizontal joint or a movement joint must be formed at floor joist, refer to Figure 25.

6.9.3 Drainage Joint

After every two floors a horizontal drainage joint flashing is required, refer to Figure 31.

For buildings higher than 3 storey, from a vertical fire spread safety perspective, a horizontal drainage joint is required at each floor.

6.9.4 External Corner

An external box corner flashing is used to fix the external corners, refer to Figure 10. Alternatively an Hardie™ Axent™ Trim external boxed corner can also be formed, refer to Figure 11.

6.9.5 Internal Corner

An internal corner flashing is to be used to form an internal corner joint, refer to Figure 12.

An extra stud is required in internal corners.

Note: All vertically installed mouldings to be fixed at 400mm centres both sides.

6.10 Junctions and Penetrations

Refer to Clause 4.4 of this specification for moisture management requirements. All windows and doors must be detailed as per the requirements of this specification. For an example of window details for Oblique™ Weatherboard which meet the performance requirements of E2 External Moisture, an approved document of the NZBC, refer to Figures 15 to 22.

7 Finishes

7.1 Preparation

The D head nail must be finished 2mm below the weatherboard surface. The nail holes must be filled with an exterior grade two part builders fill, ie. CRC® ADOS® Builders Fill or similar two part external grade filler. The RounDrive nail heads must finish flush with weatherboard surface.

It is not recommended to seal gap under the lap of weatherboards as it helps in circulation of air behind the weatherboard cladding. However if sealing of the gaps is undertaken, the product warranty still applies.

7.2 Painting

Oblique™ Weatherboard is pre-primed and is suitable for site applied acrylic paints.

In order to seal cut edges or sanded patches, Dulux® 1 Step, Acraprime® 501/1, Resene® Quick Dry, Taubmans® Underproof Acrylic Primer Undercoat or a similar product should be applied. The primer should be compatible with the paint to be used.

Painting of Oblique™ Weatherboard is mandatory to meet the durability requirements of the NZBC and the 25 year James Hardie product warranty. Oblique™ Weatherboard must be dry and free of any dust or grime before painting. The weatherboards must be painted within 90 days of their installation. There is no restriction on the LRV of paint to be applied on the Oblique™ Weatherboard. All exposed faces, including the top edges under the sills and bottom edges of Oblique™ Weatherboard and accessories must be finished with an exterior paint system.

James Hardie recommends a minimum of two coats of exterior grade acrylic paint. Follow the paint manufacturer's recommendations to prepare the surface and to adequately cover and conceal the weatherboard fixings.

For best aesthetic results a low sheen paint is recommended.

7.3 Flexible Sealant

Sealant used must comply with the relevant requirements of the NZBC. Their application and usage must be in accordance with the manufacturer's instructions. Check with the sealant manufacturer prior to coating over sealant. Some sealant manufacturers do not recommend coating over their product.

8 Care and Maintenance

The extent and nature of maintenance required will depend on the geographical location and exposure of the building.

Refer to Section 2.2 of E2/AS1 and Section 2.2 of B2/AS1 for essential maintenance requirements for claddings to achieve the required durability of materials and components etc.

As a guide, it is recommended that the basic normal maintenance tasks for Oblique™ Weatherboard shall include, but not be limited to:

- Washing down exterior surfaces every 6 - 12 months using low pressure water and a brush, and every 3-4 months in extreme coastal conditions or sea spray zones. Do not use a water blaster to wash down the cladding. Refer to your paint manufacturer for washing down requirements
- Re-coating exterior protective finishes. Always refer to your paint manufacturer for re-coating requirements
- Regular inspection and repair if necessary of the cladding joints, sealants, fillers, flashings etc
- Cleaning out gutters, down pipes and overflow pipes as required
- Pruning back vegetation which is close to or touching the Oblique™ Weatherboard
- The clearance between the bottom edge of the Oblique™ Weatherboard and the finished/unfinished ground must always be maintained eg. around concrete paths/driveways etc 100mm minimum and natural ground/pebbles etc 175mm minimum
- Remove any snow or ice build up that is in direct contact with the cladding for extended period

9 Details

The following generic details have been provided in this document for cavity construction methods.

Table 7

Description	Page
Figure 1: Framing setout	24
Figure 2: Cladding layout	25
Figure 3: Cladding and Hardie™ 20mm Horizontal Cavity Batten	26
Figure 4: Foundation detail	27
Figure 5: Enclosed deck	28
Figure 6: Cladding fixing up to H Wind Zone	29
Figure 7: Cladding fixing up to VH wind zone and fire rated walls	30
Figure 8: Cladding fixing up to EH wind zone	31
Figure 9: Cladding fixing above EH Wind Zone to 3.2kPa wind pressure	32
Figure 10: Hardie™ 14mm External aluminium box corner	33
Figure 11: External trim box corner	34
Figure 12: Hardie 14mm Internal aluminium corner	35
Figure 13: Soffit detail	36
Figure 14: Nil soffit detail	37
Figure 15: Window sill	38
Figure 16: Window jamb	39
Figure 17: Window jamb with scriber	40
Figure 18: Window head	41
Figure 19: Window sill with facing	42
Figure 20: Window jamb with facing	43
Figure 21: Window head with facing	44
Figure 22: Door sill support	45
Figure 23: Scarf joint	46
Figure 24: Continuous cladding over engineered joists at floor level	47
Figure 25: Trimline horizontal joint flashing at floor level	48
Figure 26: Trimline joint flashing below floor joist	49
Figure 27: Trimline joint flashing	50
Figure 28: Trimline joint flashing at floor joist external corner - Option A	51
Figure 29: Trimline joint flashing at floor joist external corner - Option B	52
Figure 30: Joining moulding	53
Figure 31: Trimline joint flashing at floor joist internal corner	54
Figure 32: Drained flashing joint at floor level	55
Figure 33: Drained flashing joint at floor joist external corner	56
Figure 34: Pipe penetration	57
Figure 35: Apron flashing	58
Figure 36: Parapet flashing	59
Figure 37: Enclosed deck balustrae to wall junction isometric	60
Figure 38: Roof to wall junction	61
Figure 39: Garage door head	62
Figure 40: Garage door jamb	63
Figure 41: Cavity batten setout for building height over 10m or different fire cells	64
Figure 42: Inter-storey drainage and fire stopping joint	65

Figure 1: Framing setout

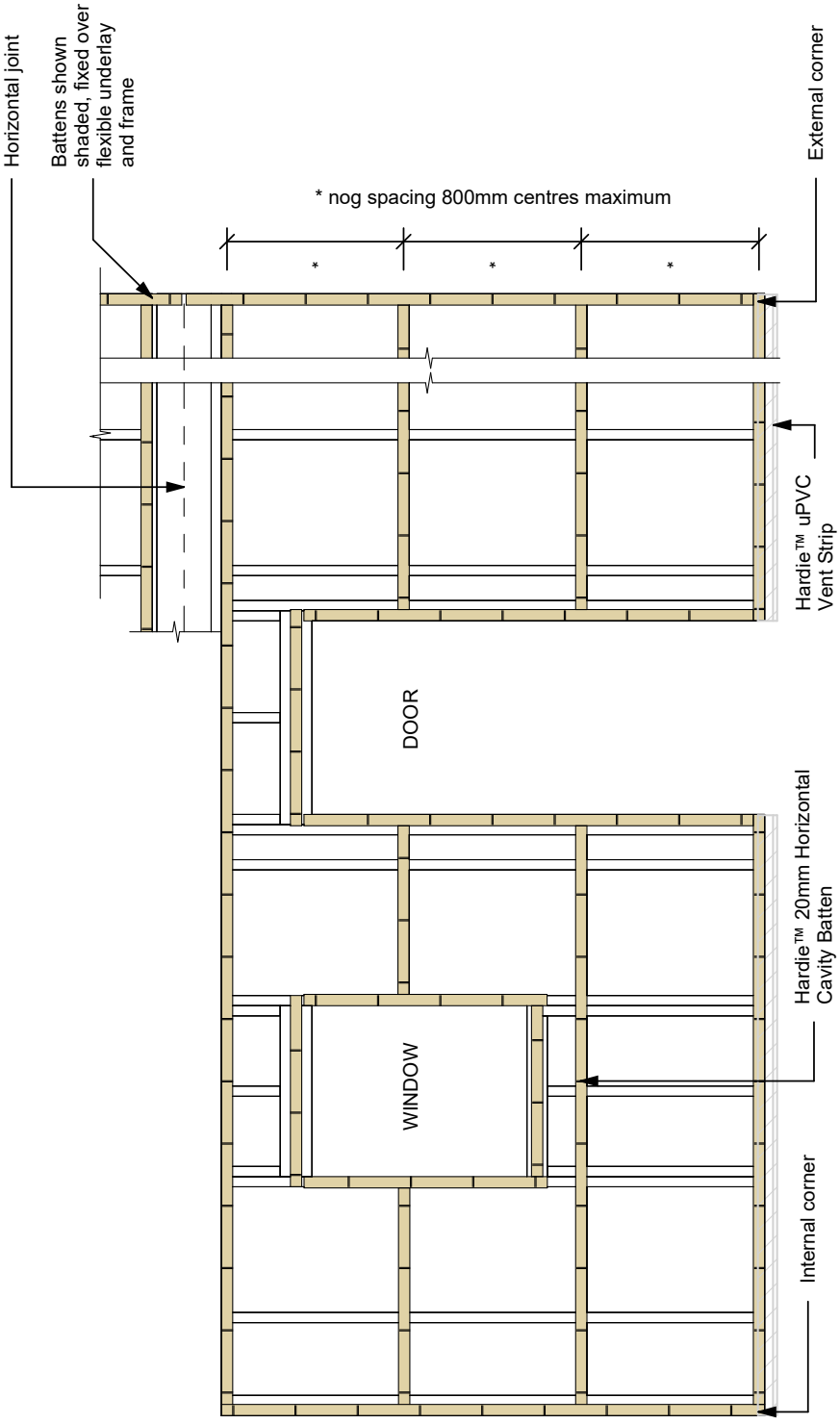


Figure 2: Cladding layout

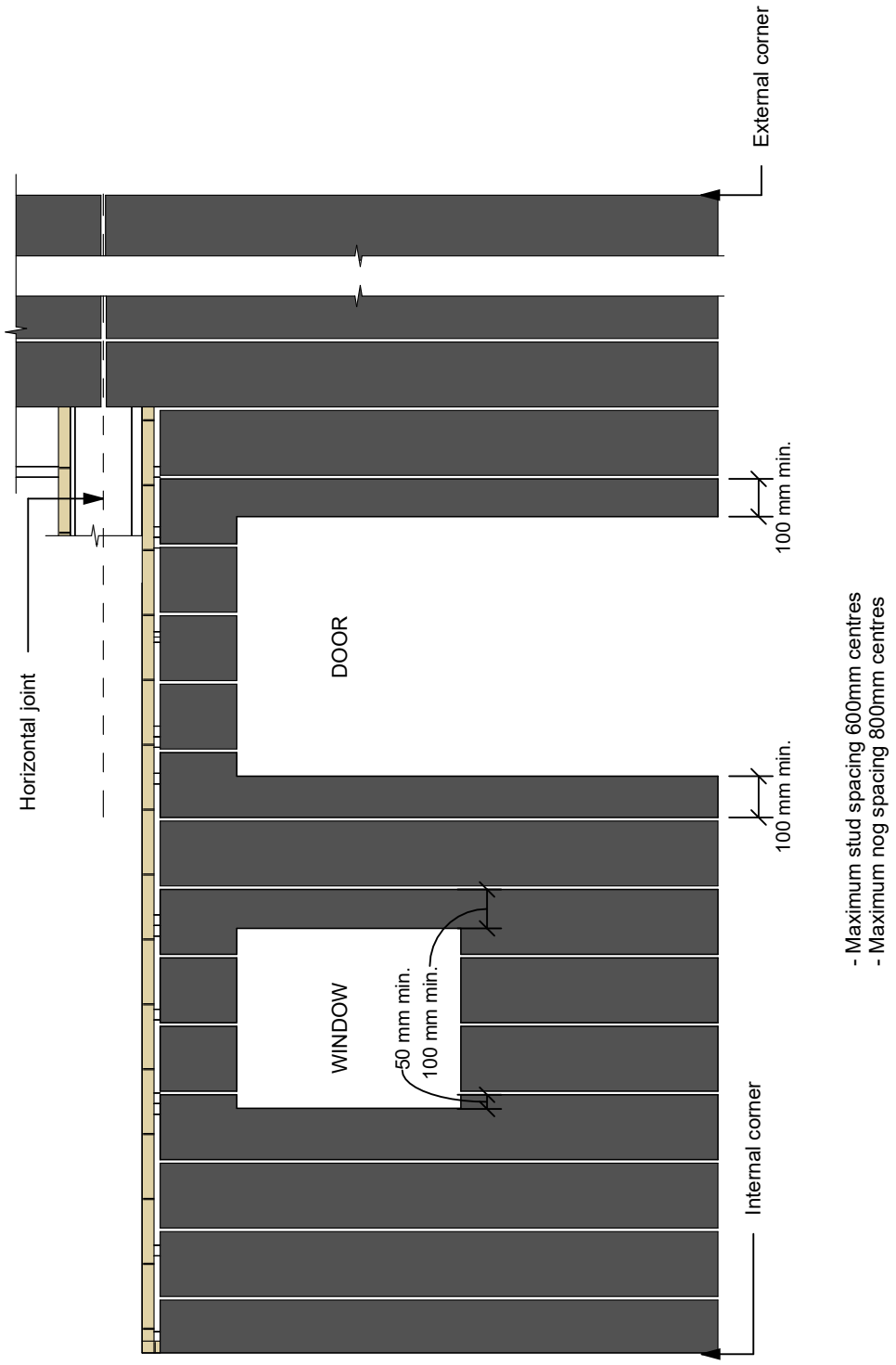
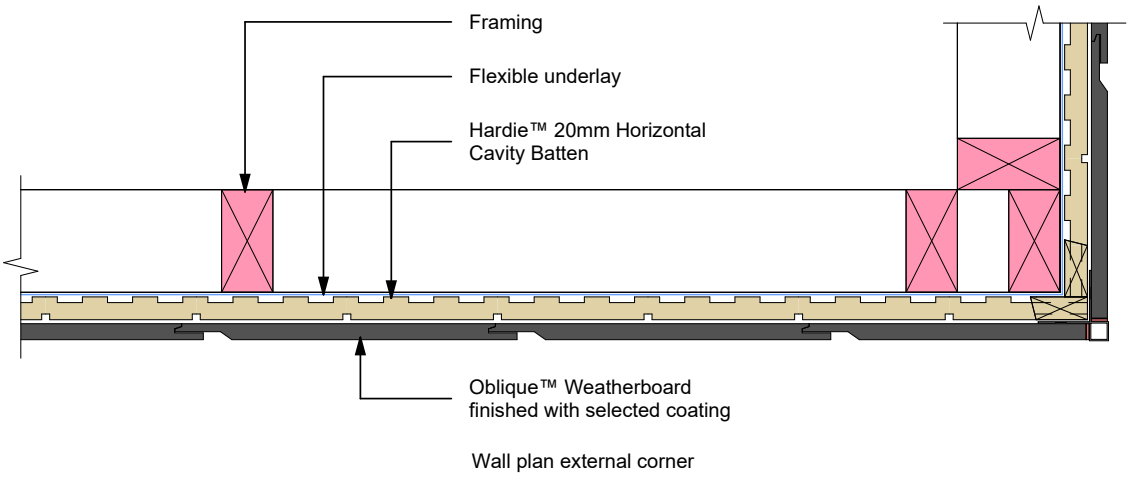
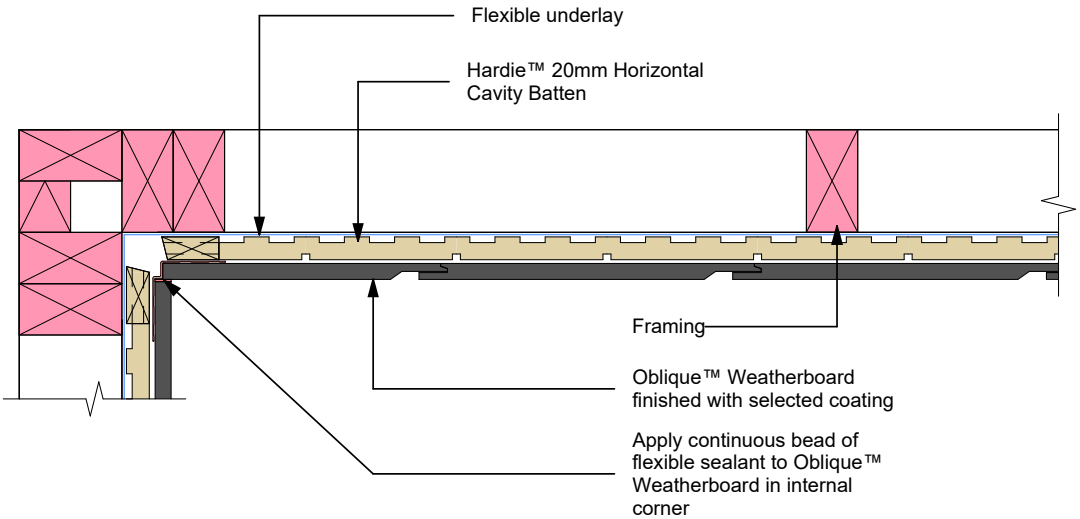


Figure 3: Cladding and Hardie™ 20mm Horizontal Cavity Batten

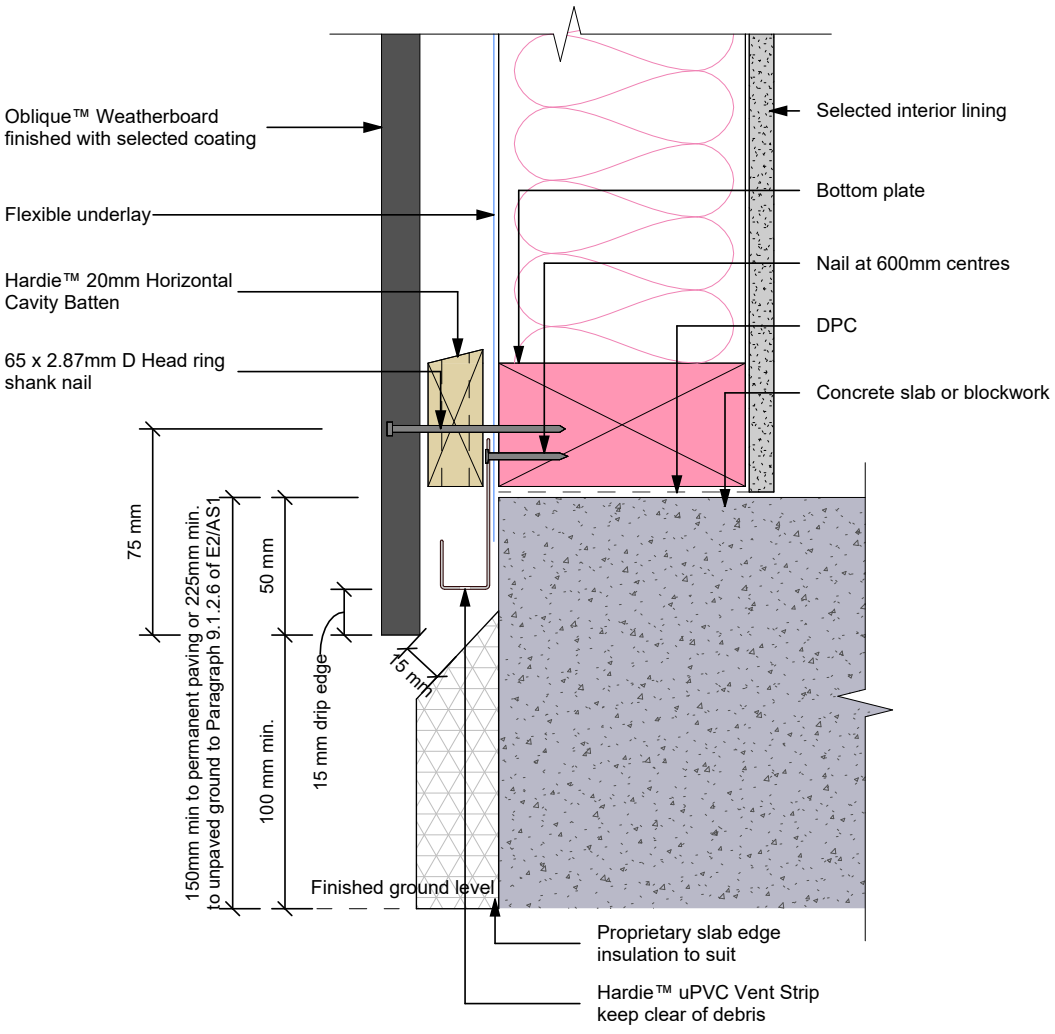


Wall plan external corner



Wall plan internal corner

Figure 4: Foundation detail



Note: Site cut edges to be primed

Figure 5: Enclosed deck

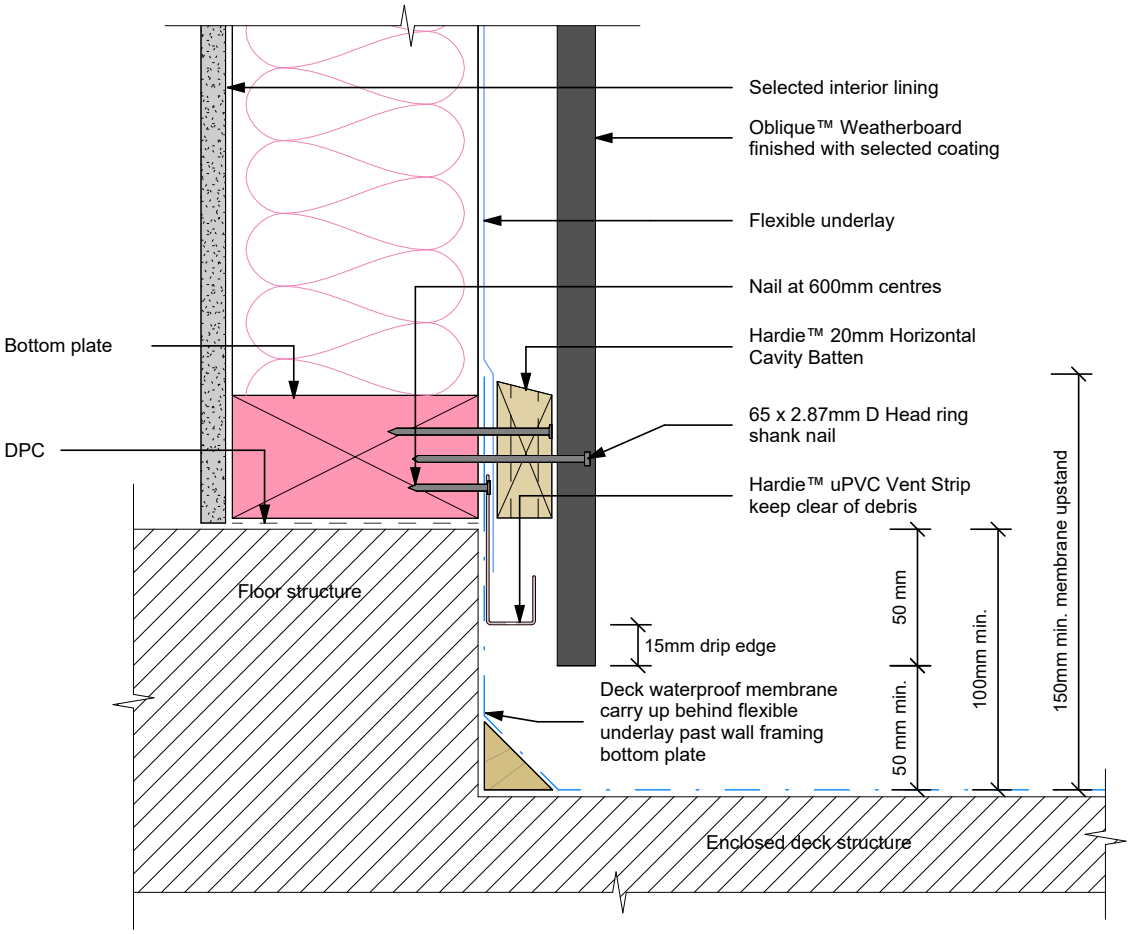


Figure 6: Cladding fixing up to H Wind Zone

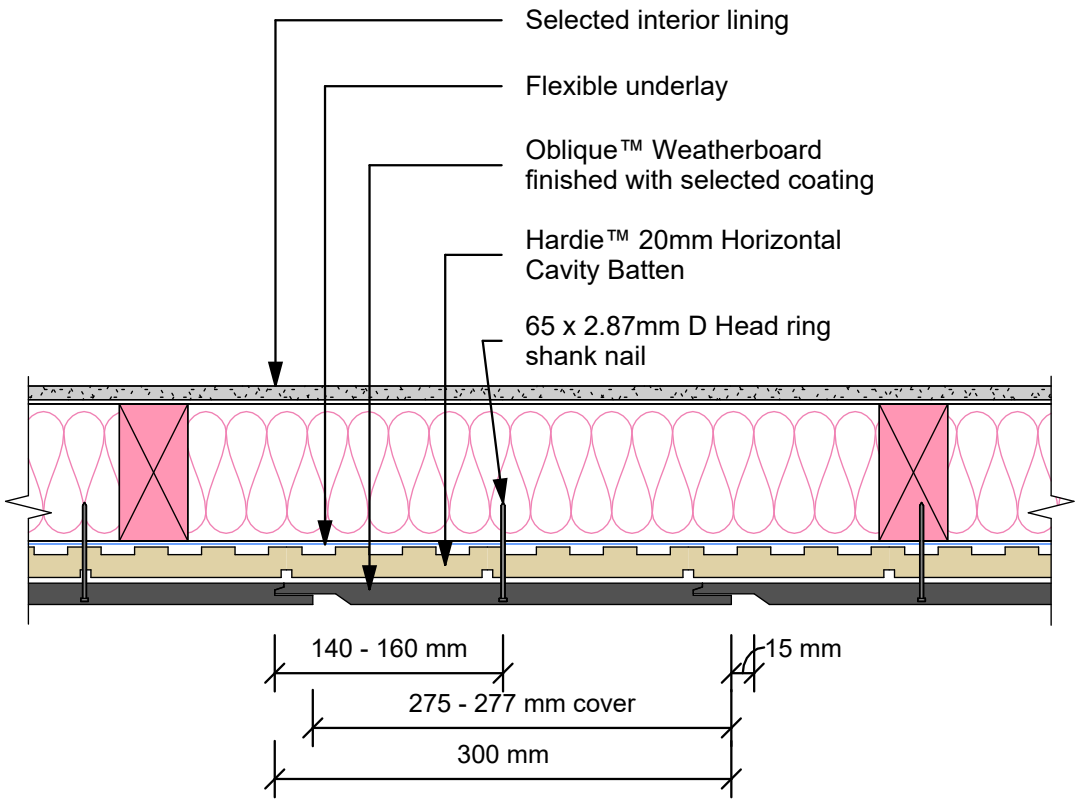
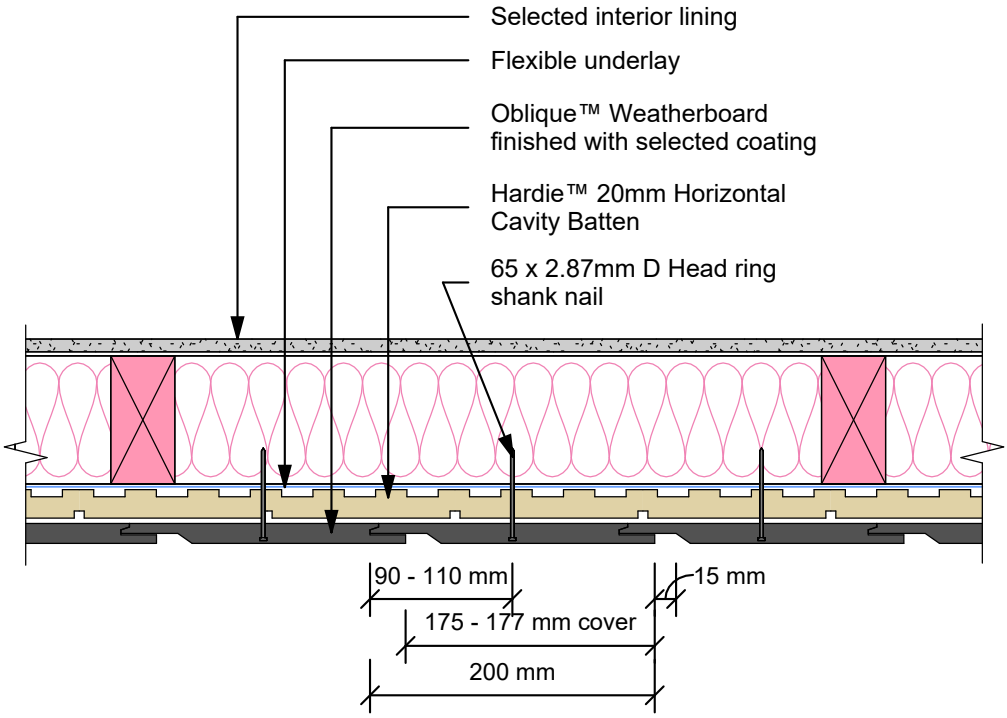


Figure 7: Cladding fixing up to VH wind zone and fire rated walls



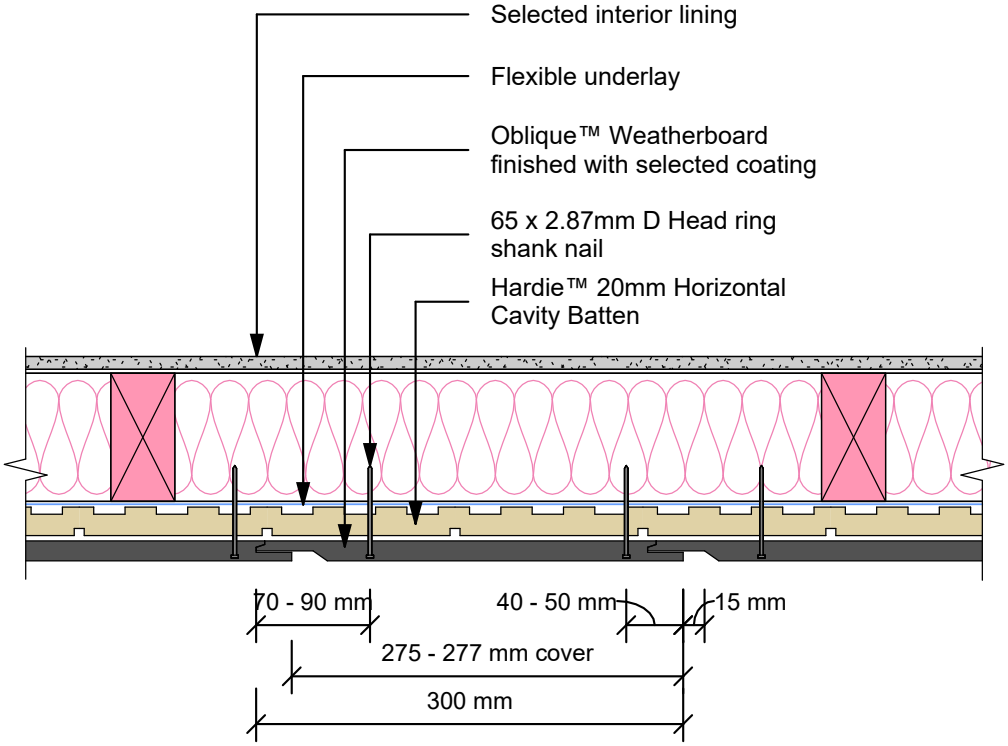
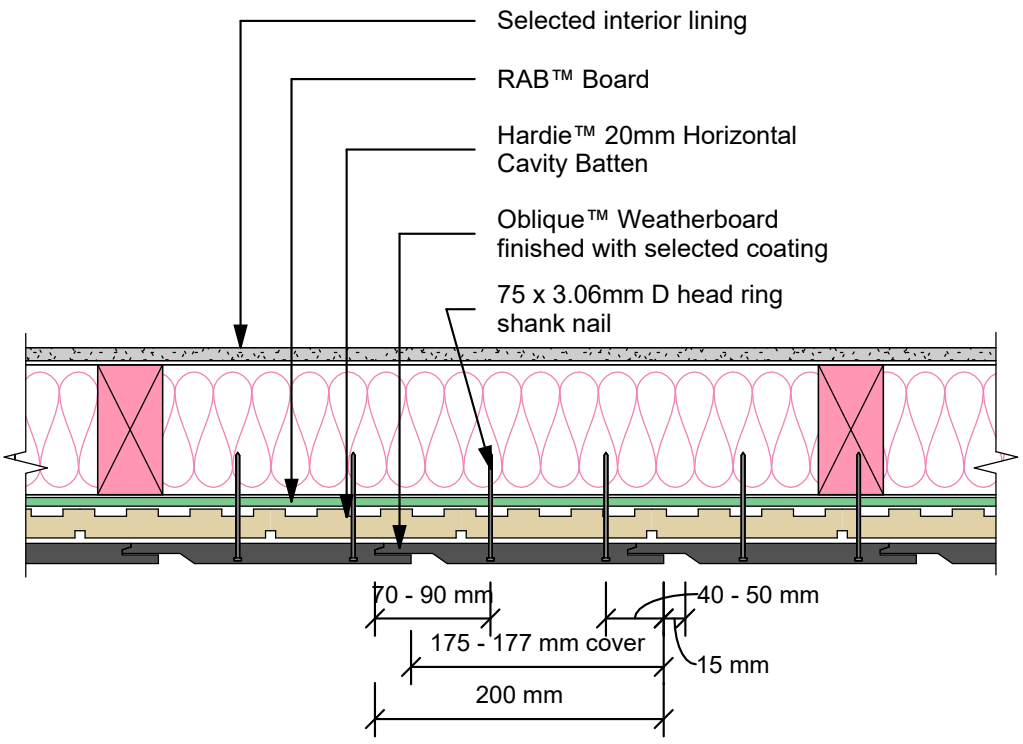


Figure 8: Cladding fixing up to EH wind zone



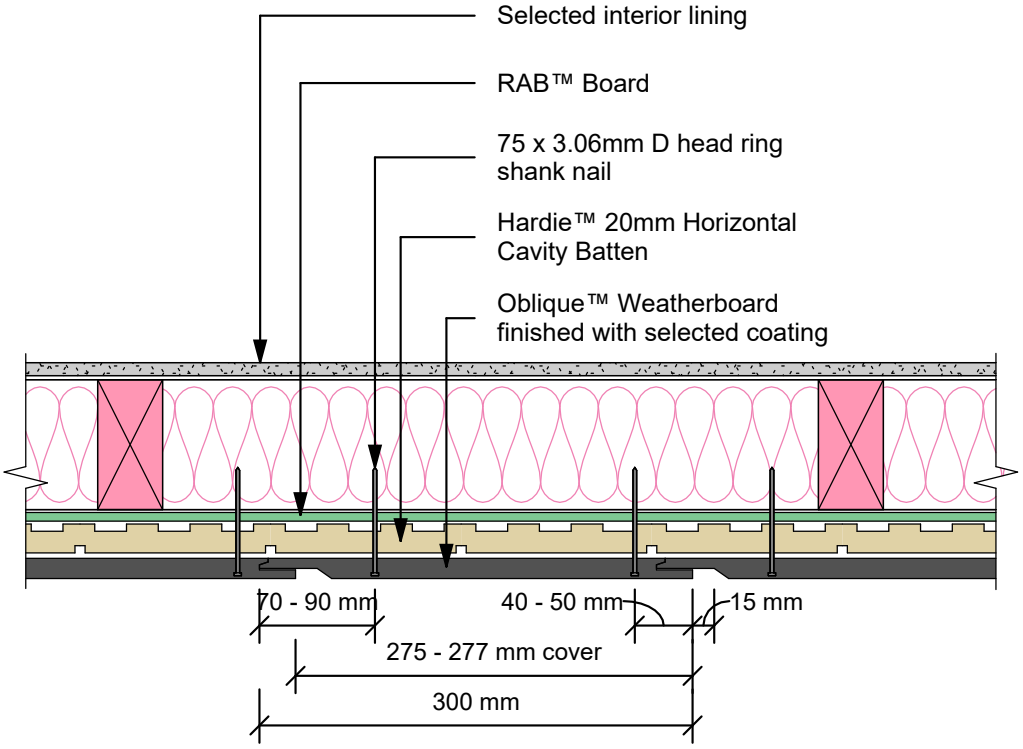
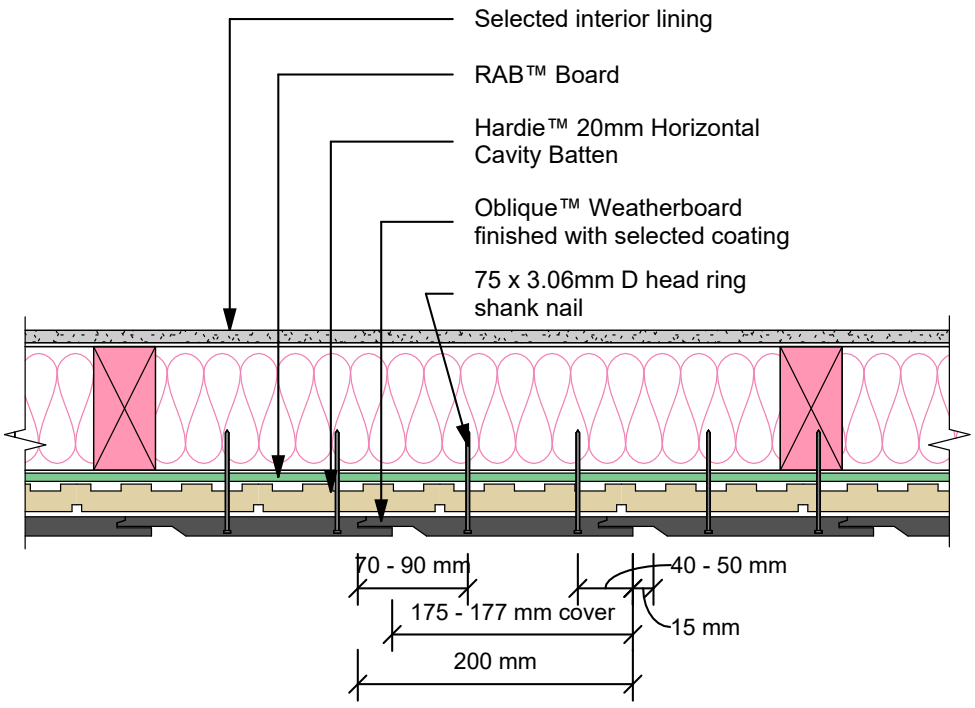


Figure 9: Cladding fixing above EH Wind Zone to 3.2kPa wind pressure



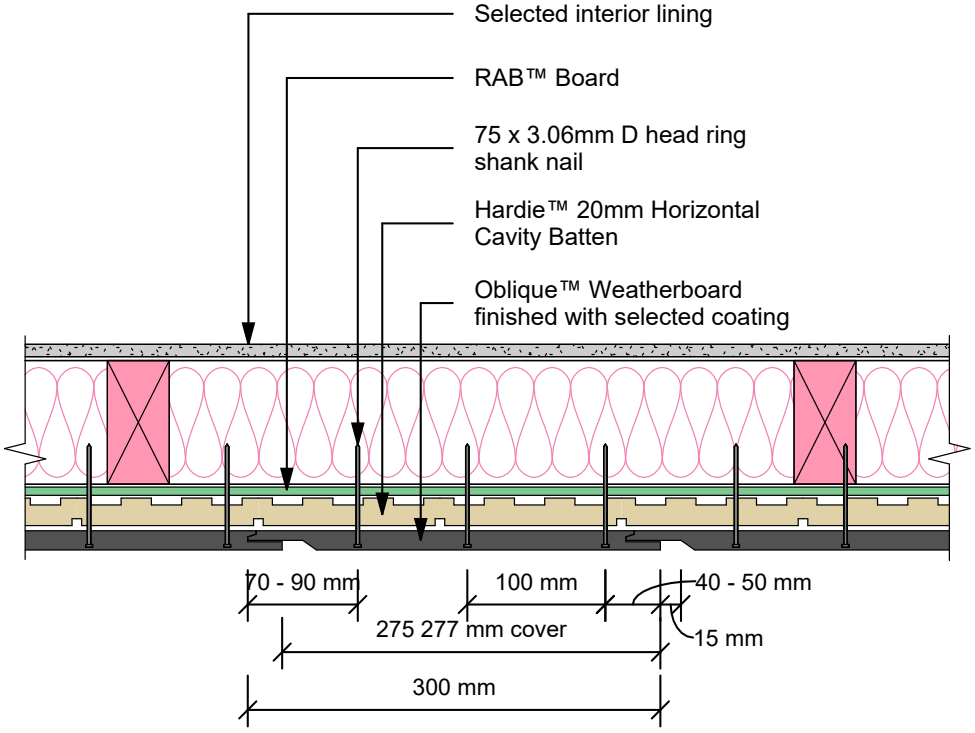


Figure 10: Hardie™ 14mm External aluminium box corner

interactive assembly instructions available

http://wksp.nz/jh-lio-vexc

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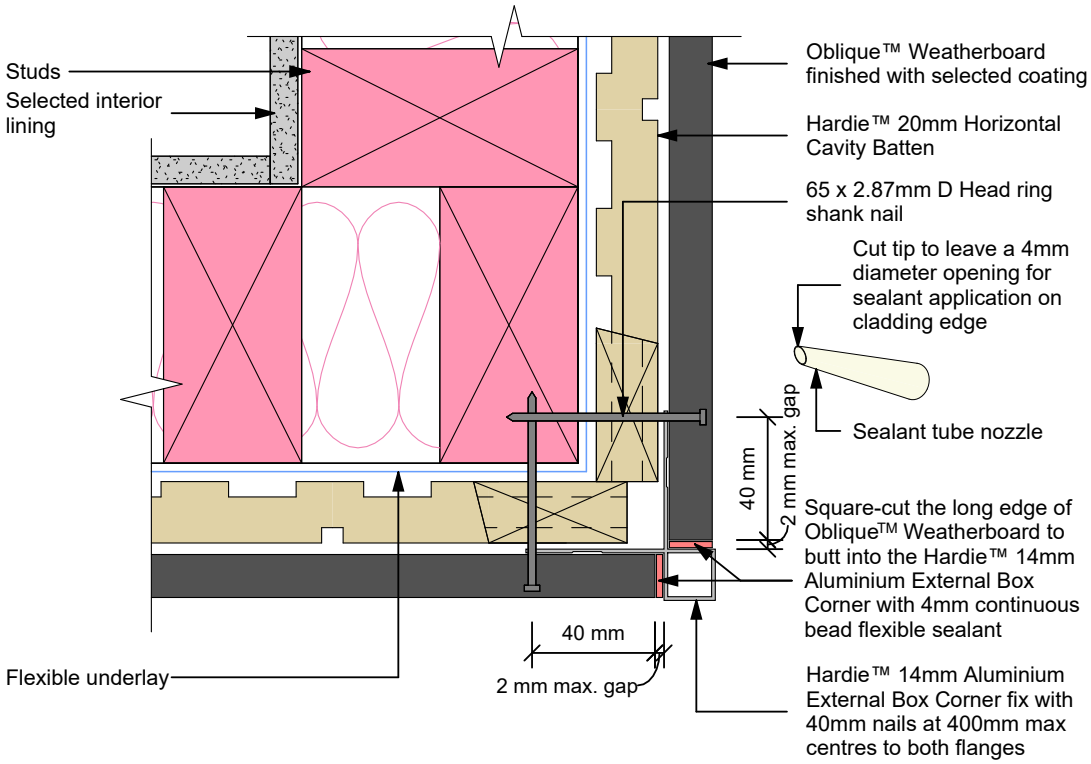
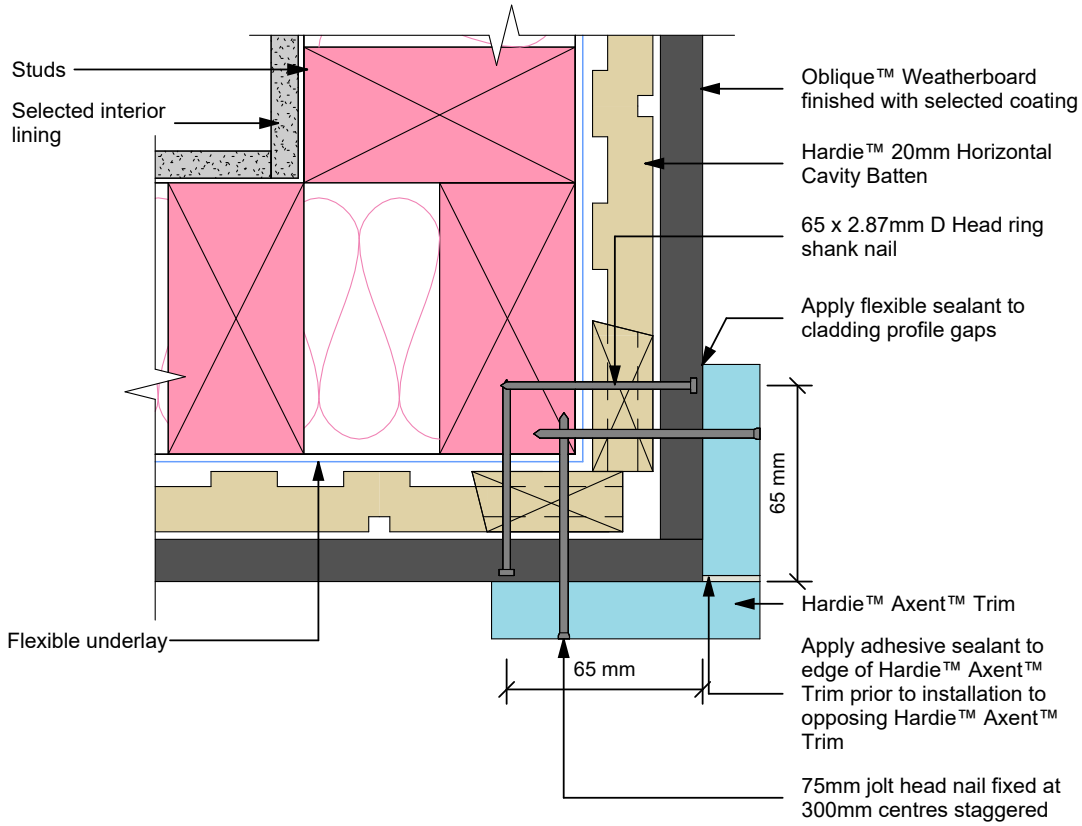


Note: Site cut edges to be primed

Figure 11: External trim box corner



Note: Site cut edges to be primed

Figure 12: Hardie 14mm Internal aluminium corner

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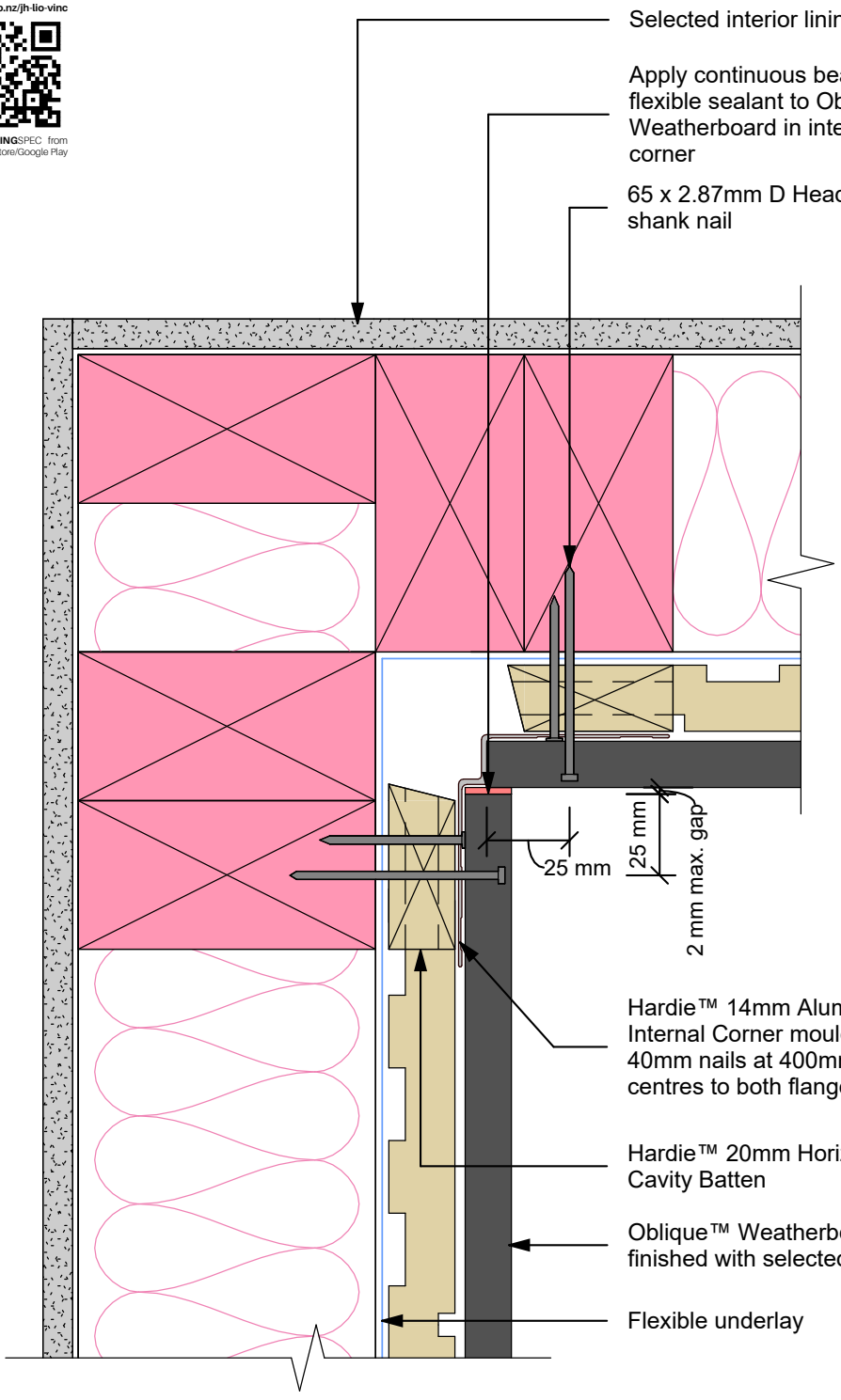
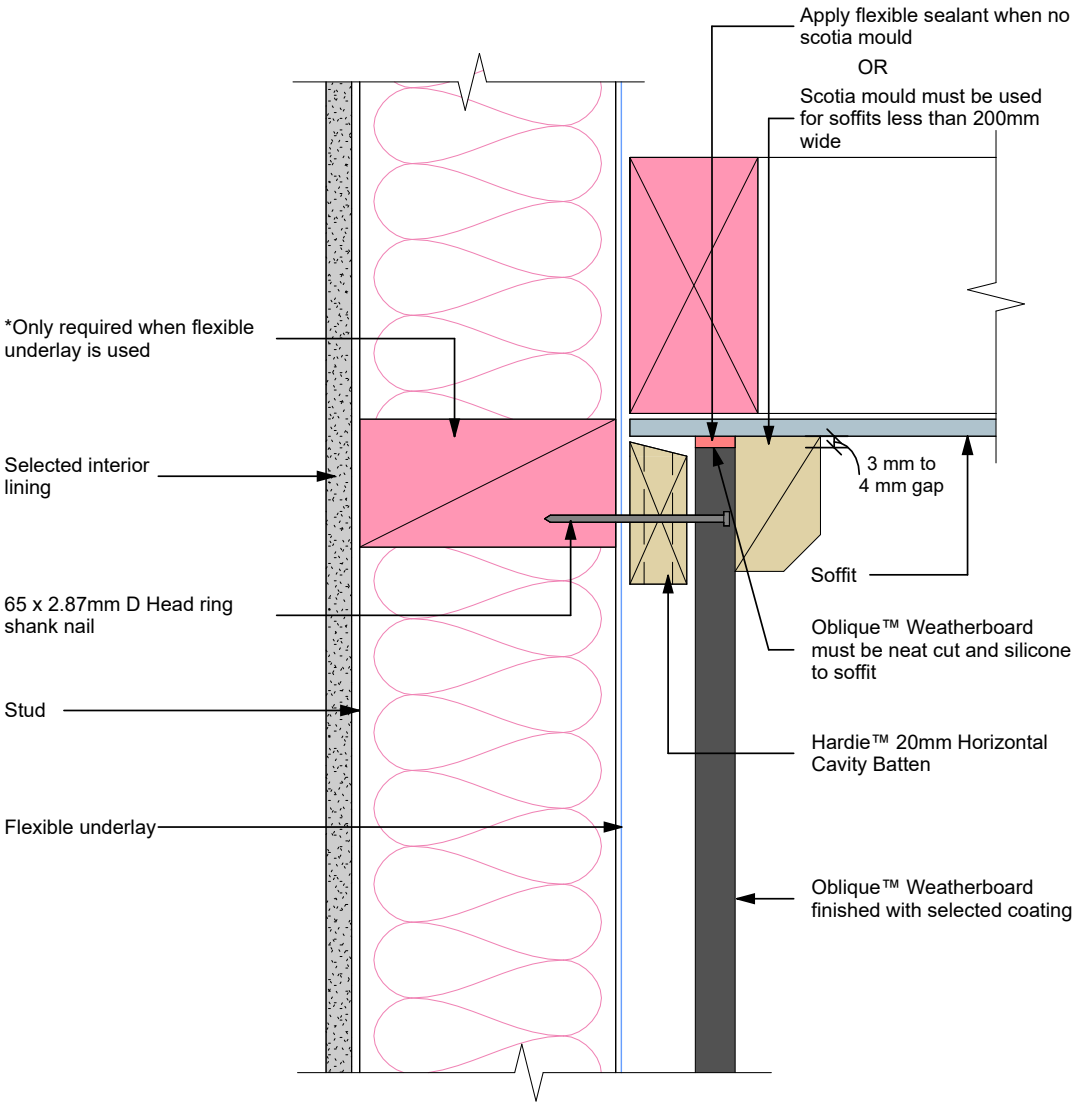


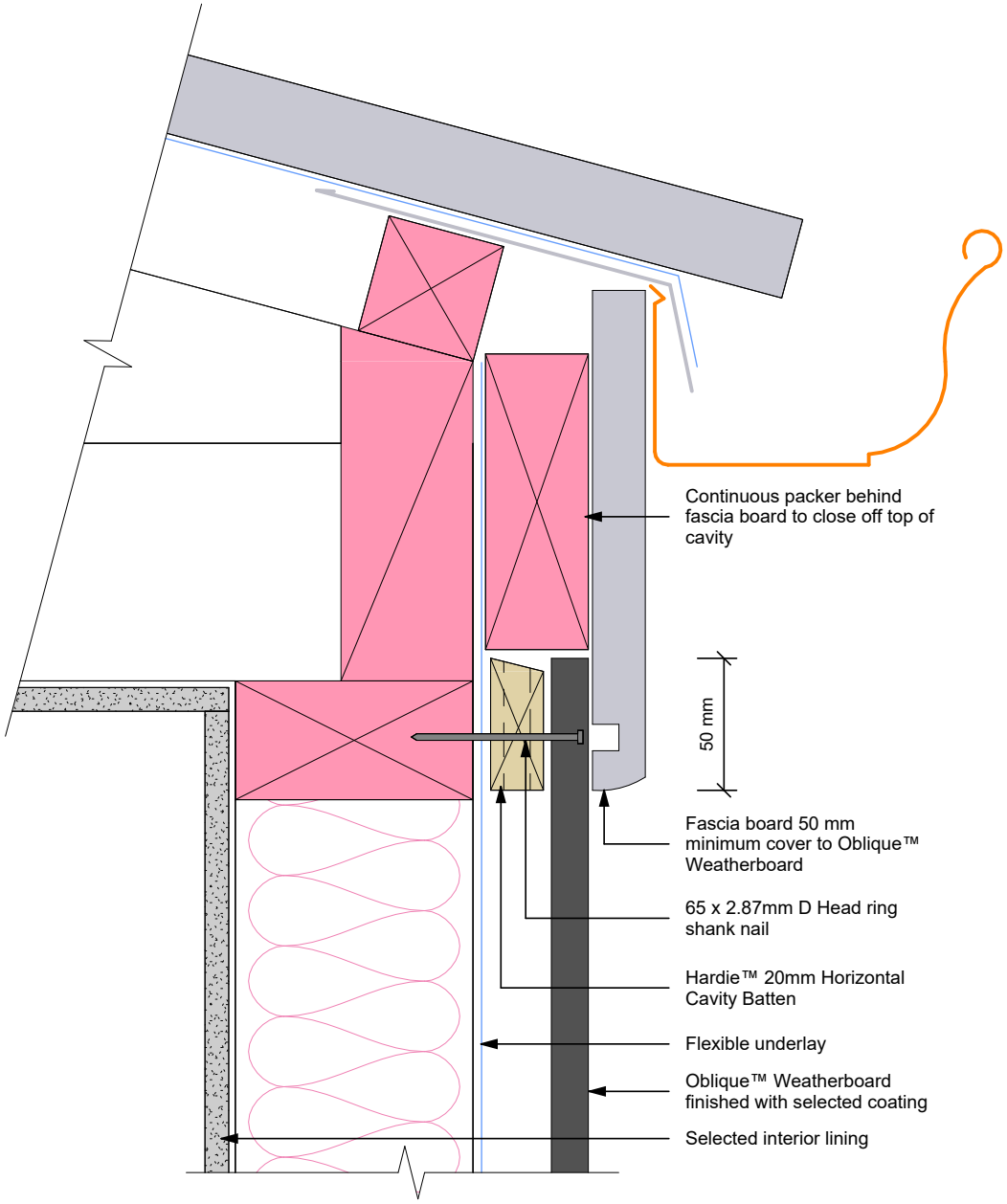
Note: Site cut edges to be primed

Figure 13: Soffit detail



Note:
- Site cut edges to be primed

Figure 14: Nil soffit detail



Note: Site cut edges to be primed

Figure 15: Window sill

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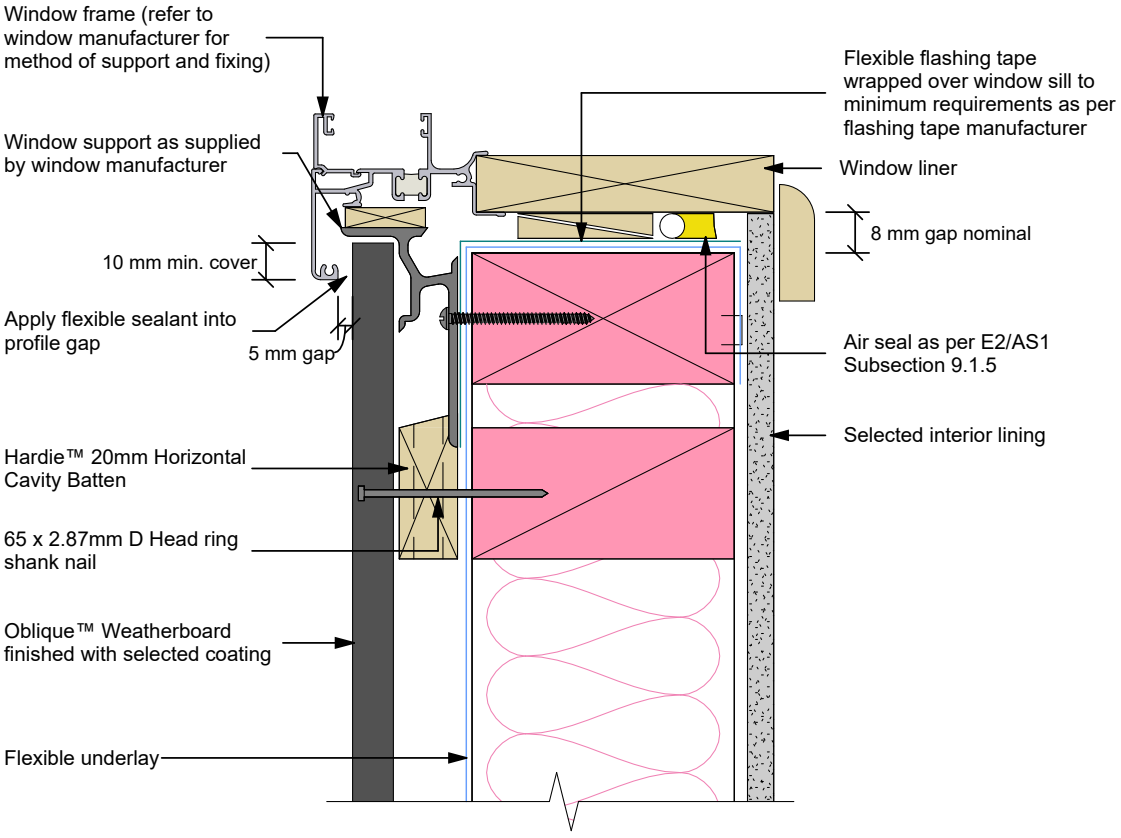

General notes

1. Flashing materials must be selected based on environmental exposure, refer to the NZS 3604 and Table C.1.1.1A of the NZBC E2/AS1
2. Flexible underlay must comply with acceptable solution E2/AS1
3. Flashing tape must have proven compatibility with the selected flexible underlay and other materials with which it comes into contact
4. When HomeRAB™ Pre-Cladding/RAB™ Board is used flashing tape to be applied to the entire window opening
5. Site cut edges to be primed
6. When using scribers by the jamb, the gap between joinery and cladding at the jamb and sill can be nil

Figure 16: Window jamb

interactive assembly instructions available
http://wksp.nz/jh-lio-vwin
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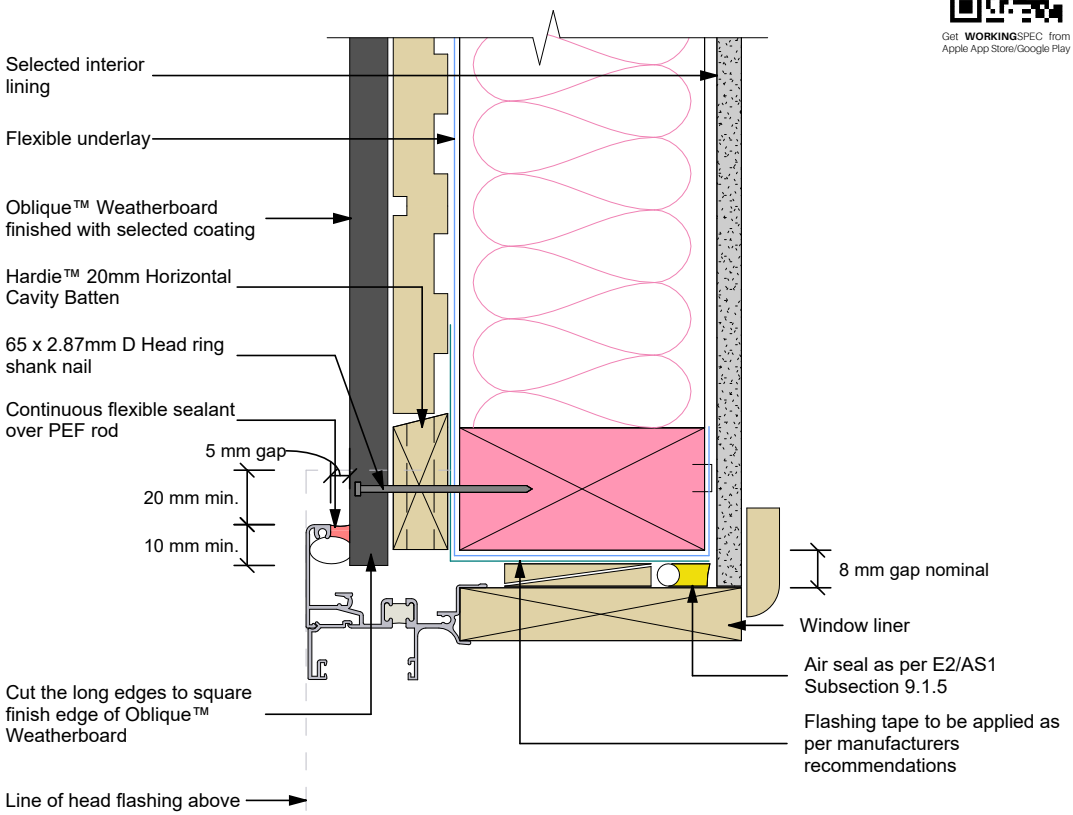

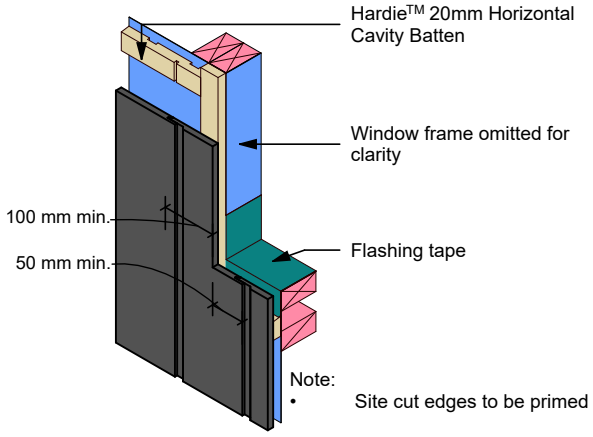

Figure 17: Window jamb with scriber

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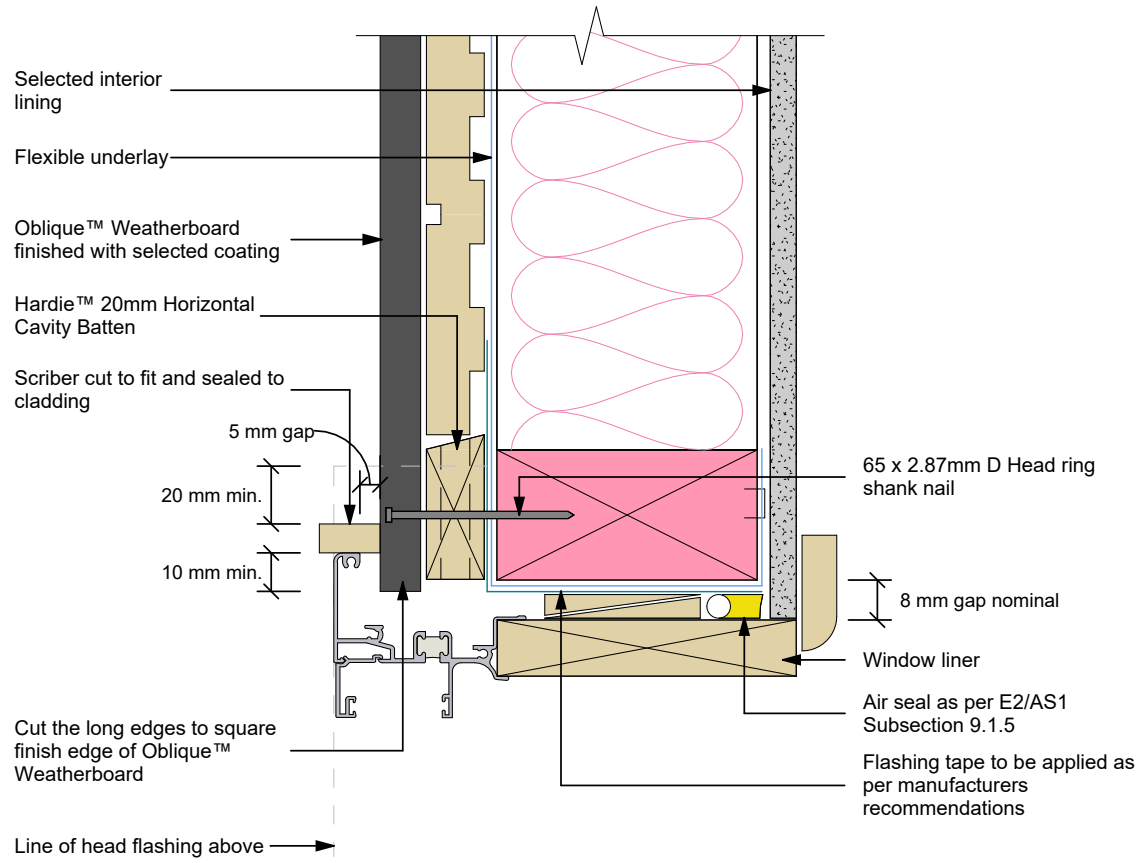

Notes:

- Site cut edges to be primed
- When using scribers by the jamb, the gap between joinery and cladding at the jamb and sill can be nil

Figure 18: Window head

interactive assembly instructions available

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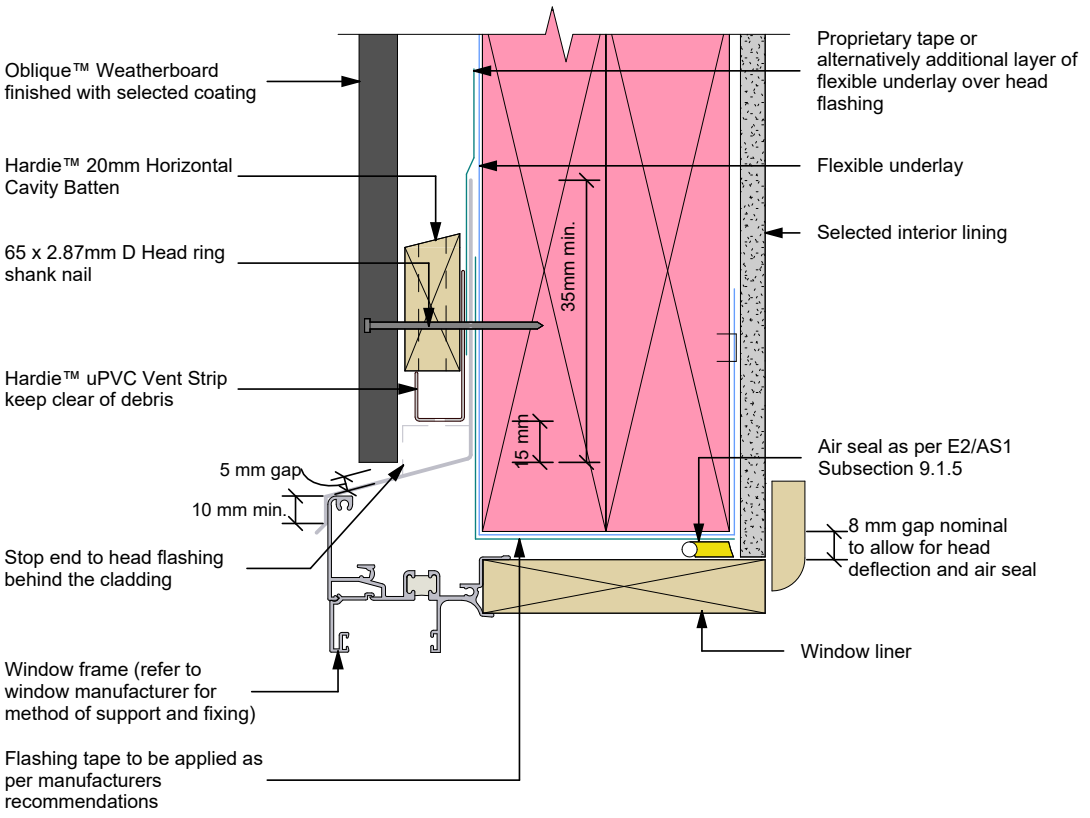
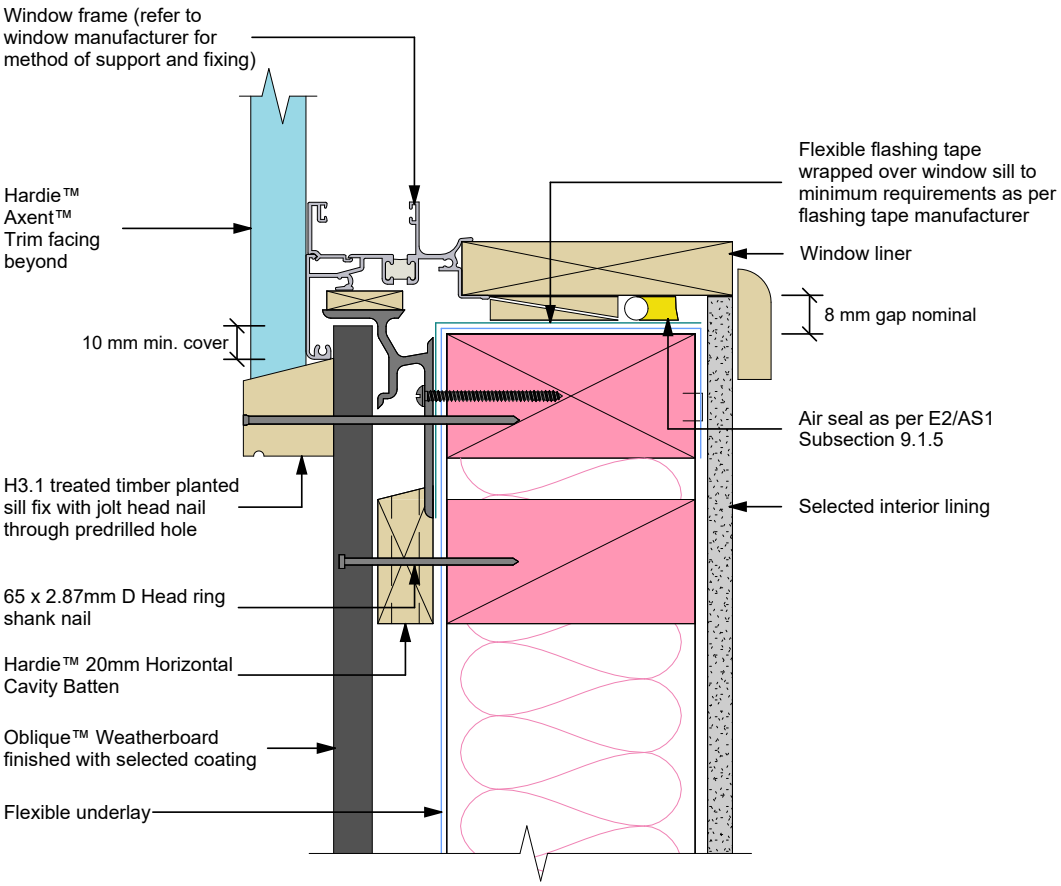


Note:
1. Site cut edges to be primed
2. Sealant must be installed between head flashing and window flange in VH and above wind zones. Refer to Figure 9.1.10.1 of E2/AS1

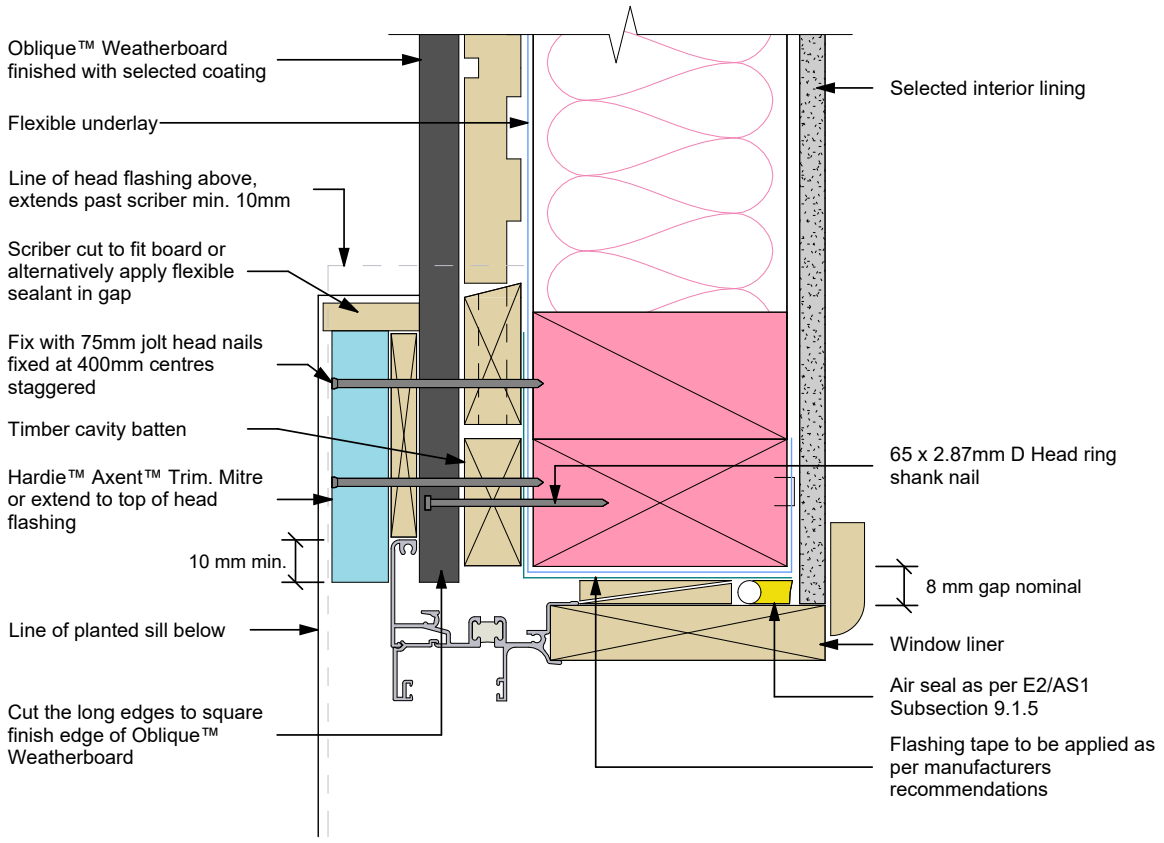
Figure 19: Window sill with facing



General notes

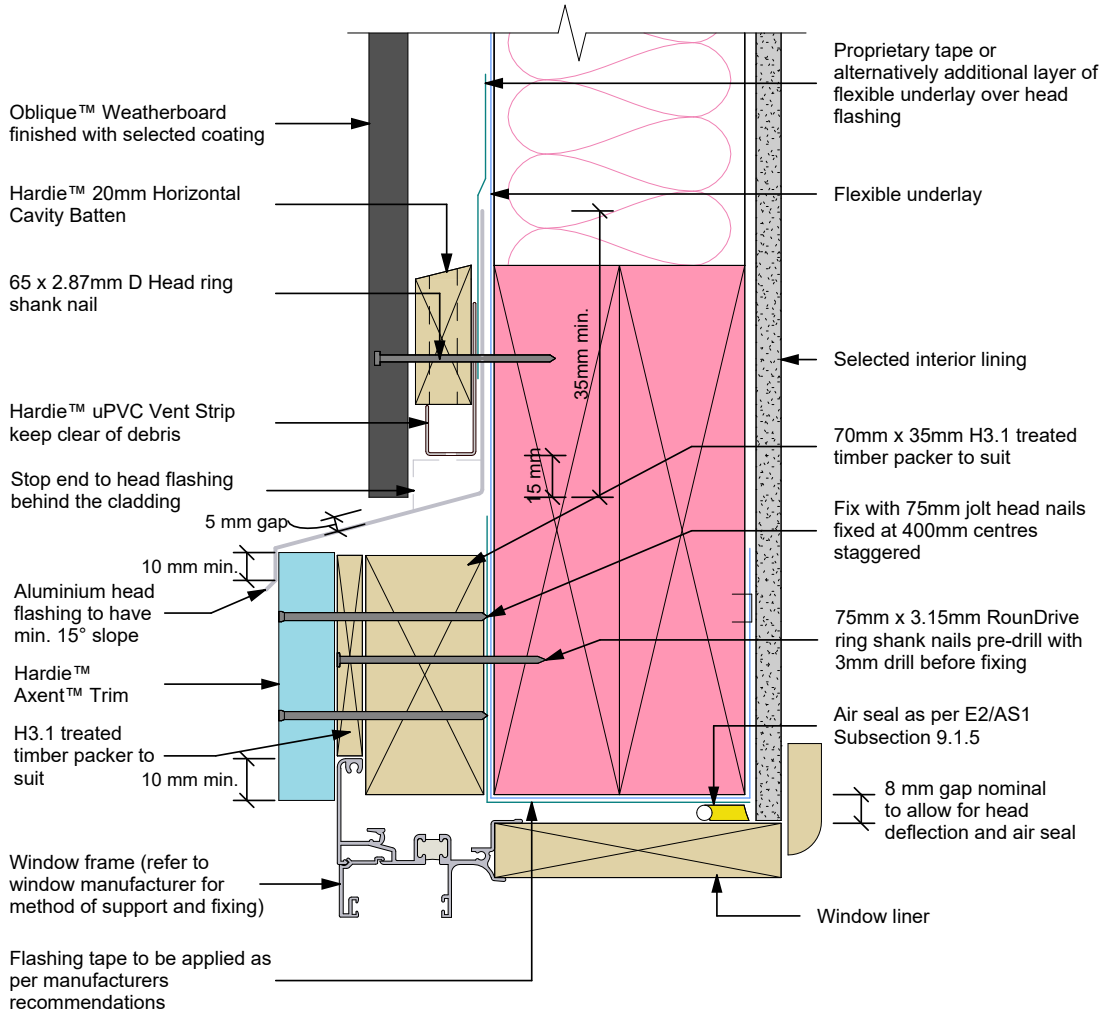
1. Flashing materials must be selected based on environmental exposure, refer to the NZS 3604 and Table C.1.1.1A of the NZBC E2/AS1
2. Flexible underlay must comply with acceptable solution E2/AS1
3. Flashing tape must have proven compatibility with the selected flexible underlay and other materials with which it comes into contact
4. When HomeRAB™ Pre-Cladding/RAB™ Board is used flashing tape to be applied to the entire window opening
5. Site cut edges to be primed

Figure 20: Window jamb with facing



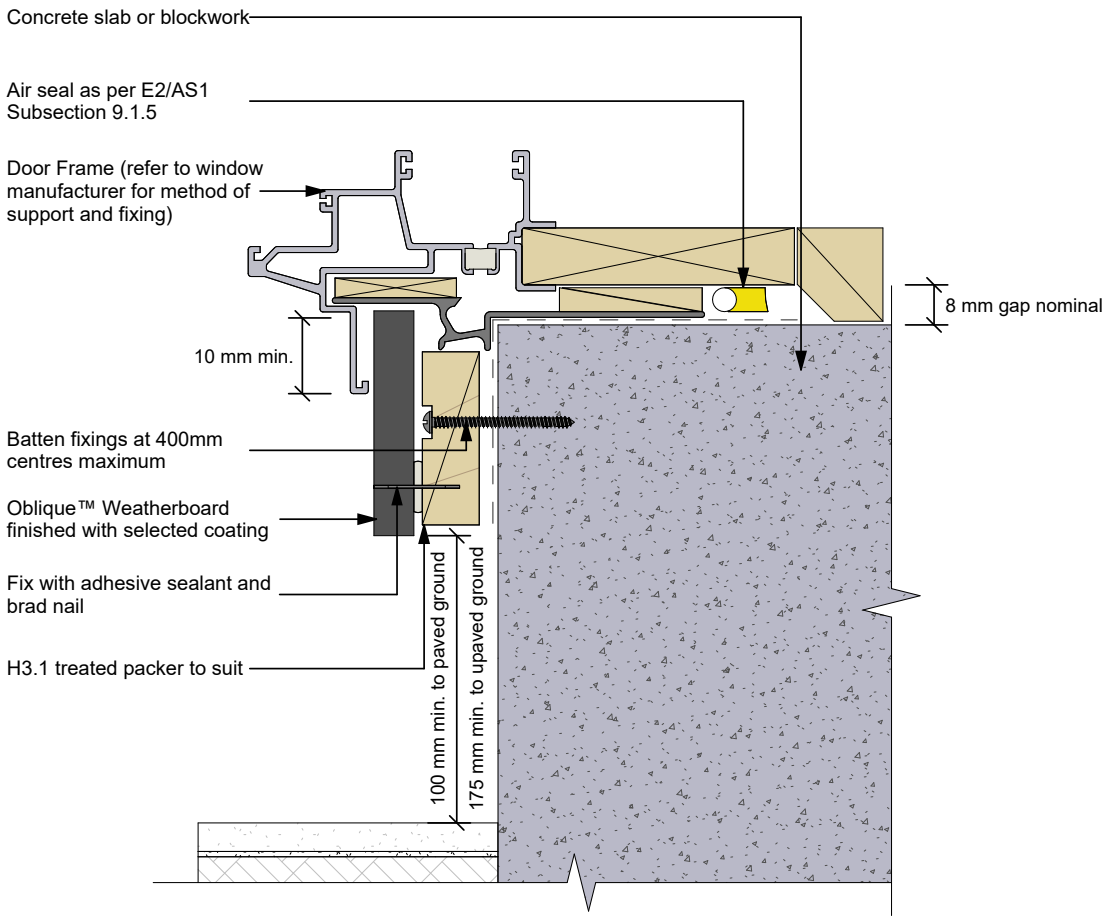
Note: Site cut edges to be primed

Figure 21: Window head with facing



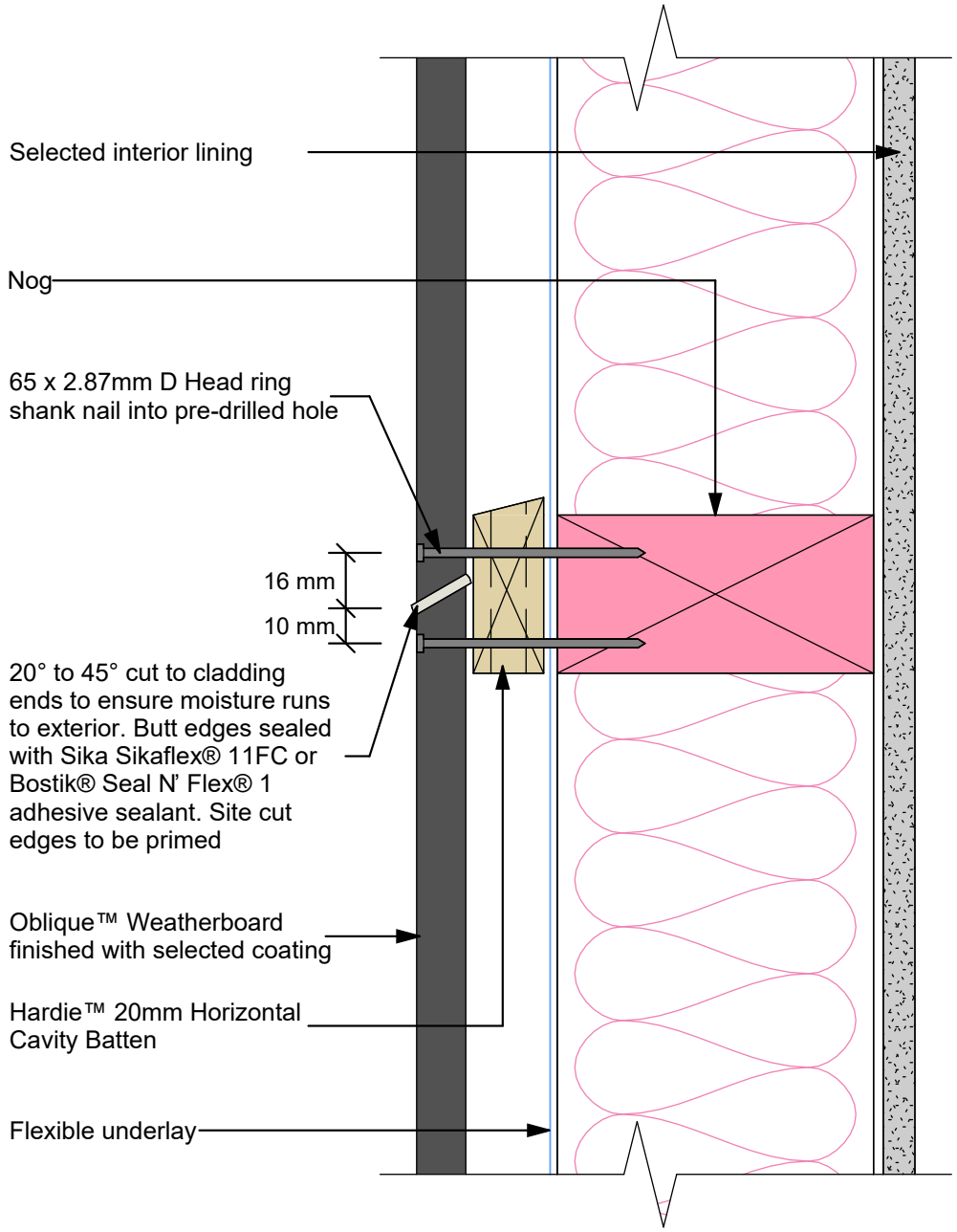
Note:
1. Site cut edges to be primed
2. Sealant must be installed between head flashing and window flange in VH and above wind zones. Refer to Figure 9.1.10.1 of E2/AS1

Figure 22: Door sill support



Notes:
- Site cut edges to be primed
- Flexible underlay must comply with the NZBC E2/AS1
- Flashing tape must have proven compatibility with the selected flexible underlay and other materials with which it comes into contact

Figure 23: Scarf joint



Important Notes:

- Ensure this joint visibility is discussed with all parties involved
- This joint is ONLY an option for tall walls exceeding 4.2m in height, i.e., tall gable end walls

Figure 24: Continuous cladding over engineered joists at floor level

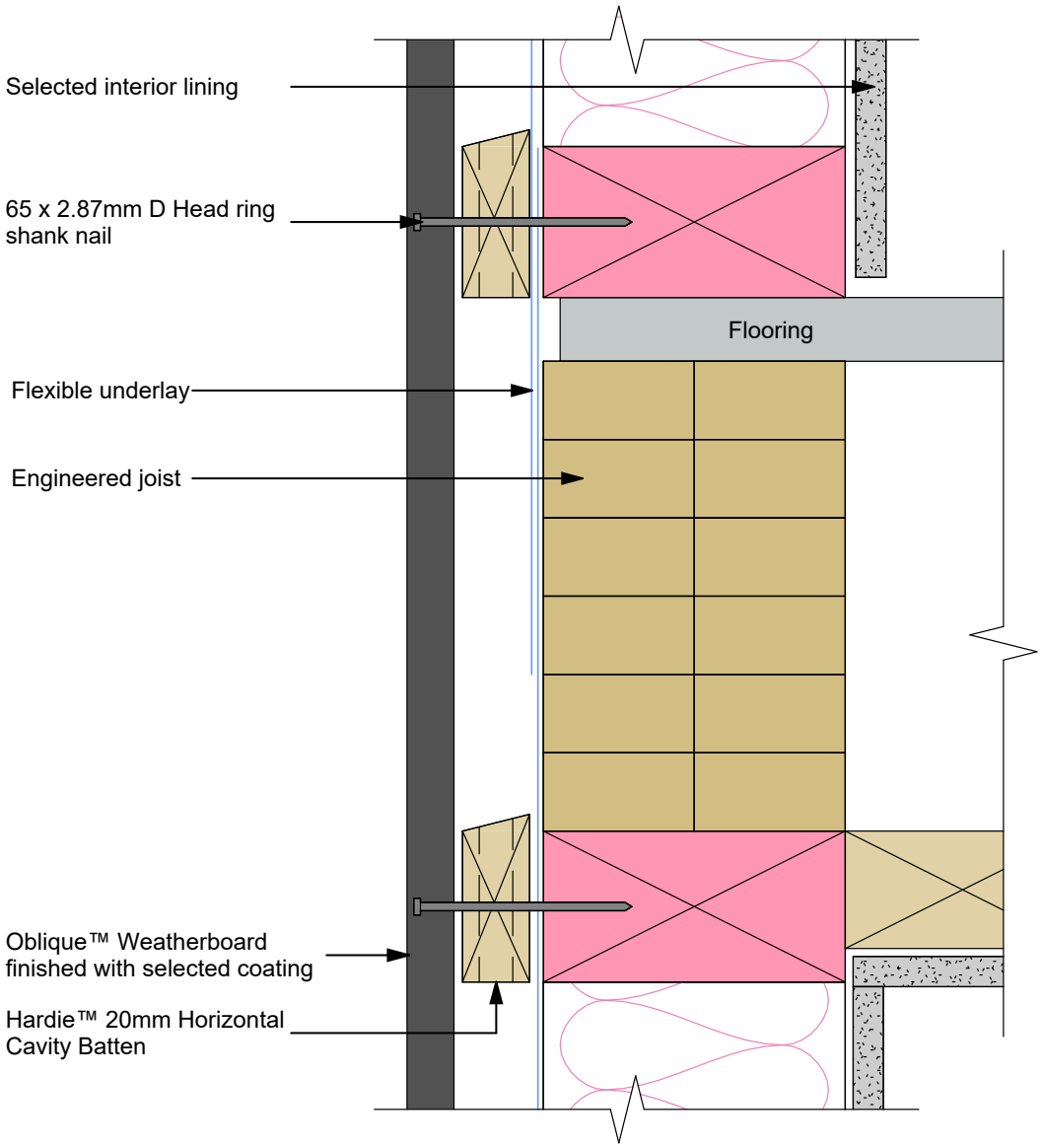


Figure 25: Trimline horizontal joint flashing at floor level

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http://wksp.nz/jh-lio-vtrjfl

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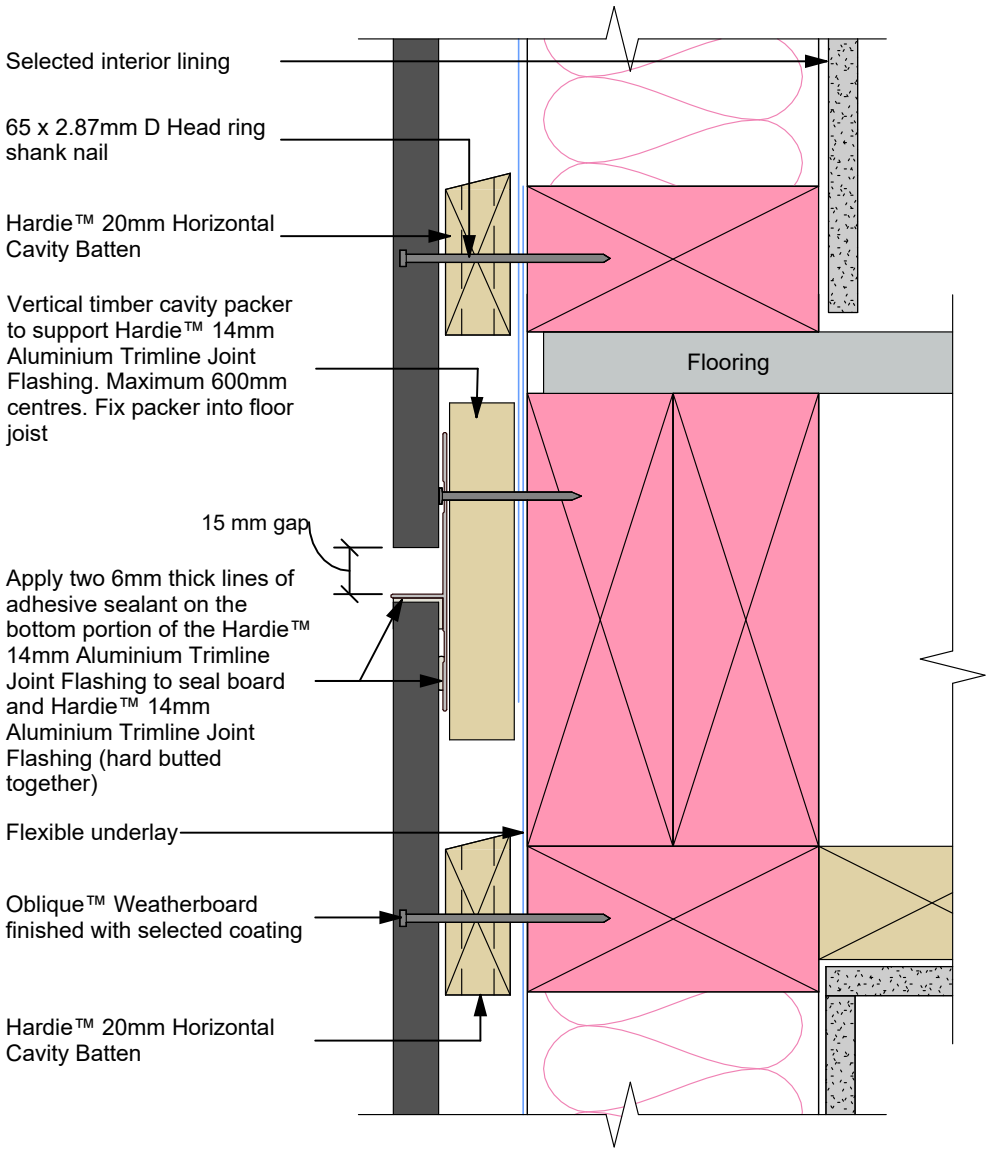
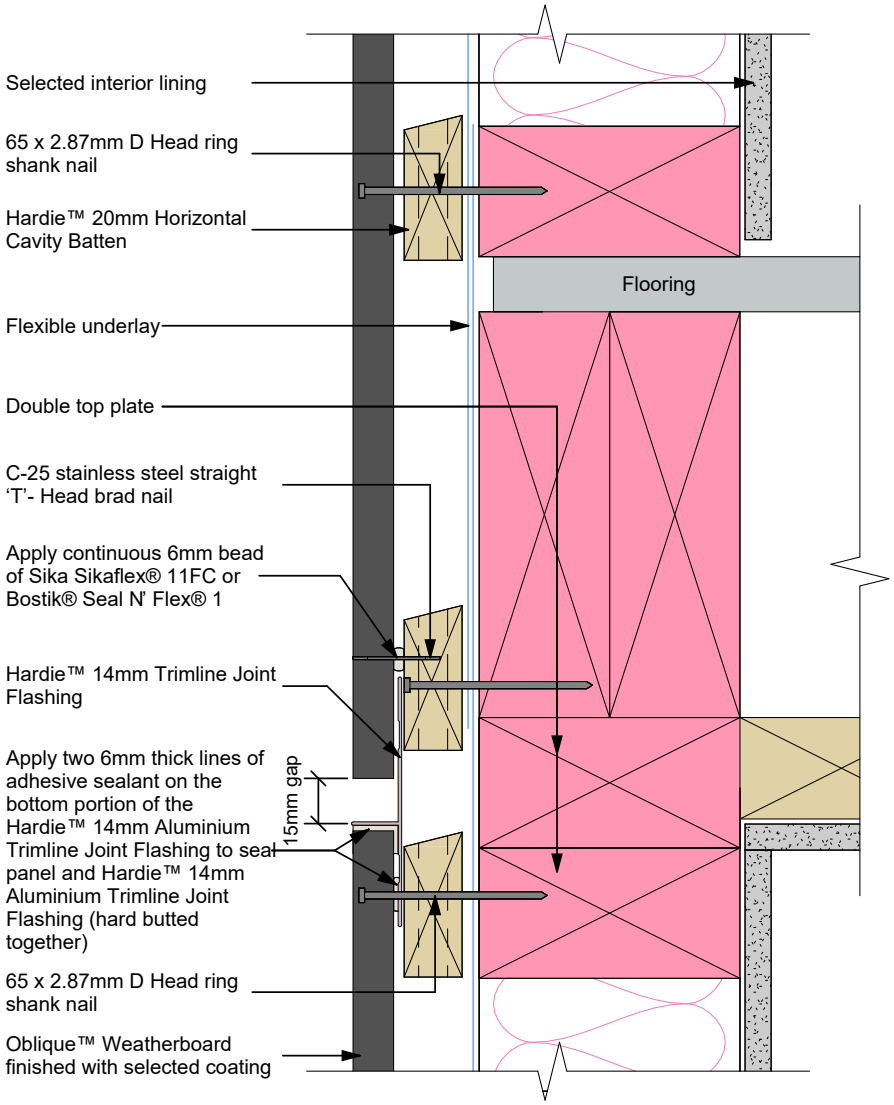


Notes:

- The butt joint in Hardie™ 14mm Aluminium Trimline Joint Flashing to be sealed using Trimline Horizontal 'L' shaped Jointer
- Site cut edges to be primed
- The flashing to be placed in the centre of the floor joists
- Do not fix cladding into floor joists

Figure 26: Trimline joint flashing below floor joist



Notes:

- The butt joint in Hardie™ 14mm Aluminium Trimline Joint Flashing to be sealed using Trimline Horizontal 'L' shaped Jointer
- Site cut edges to be primed
- Check fixing centres and edge distances
- Do not fix cladding into floor joists

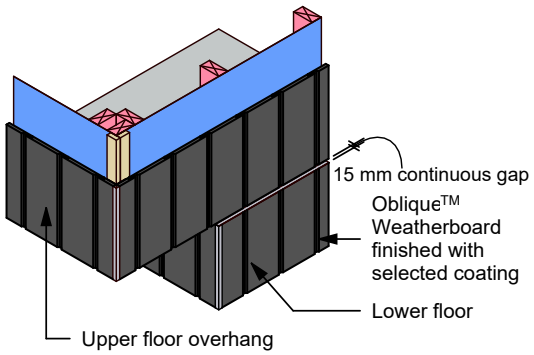


Figure 27: Trimline joint flashing

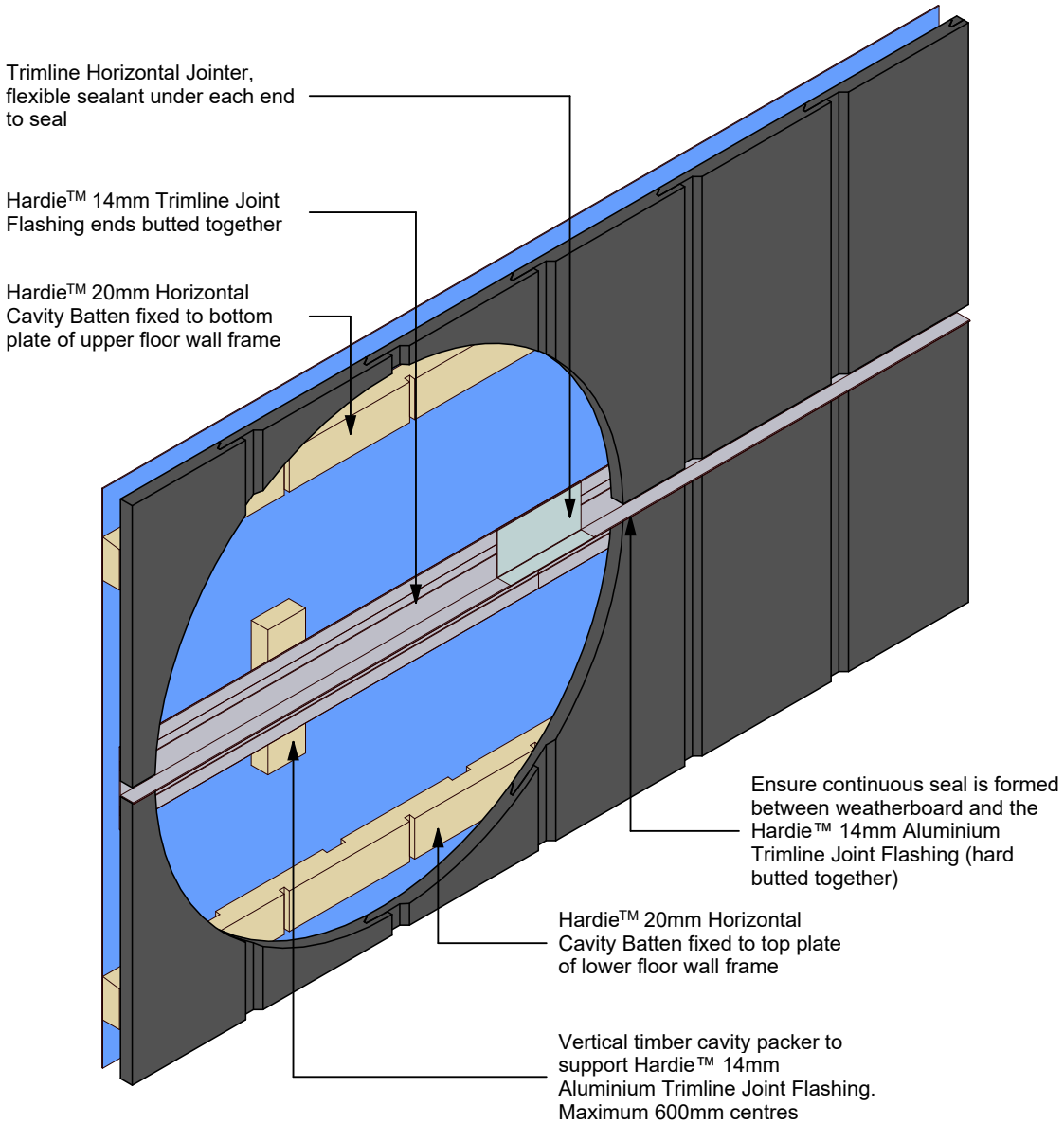
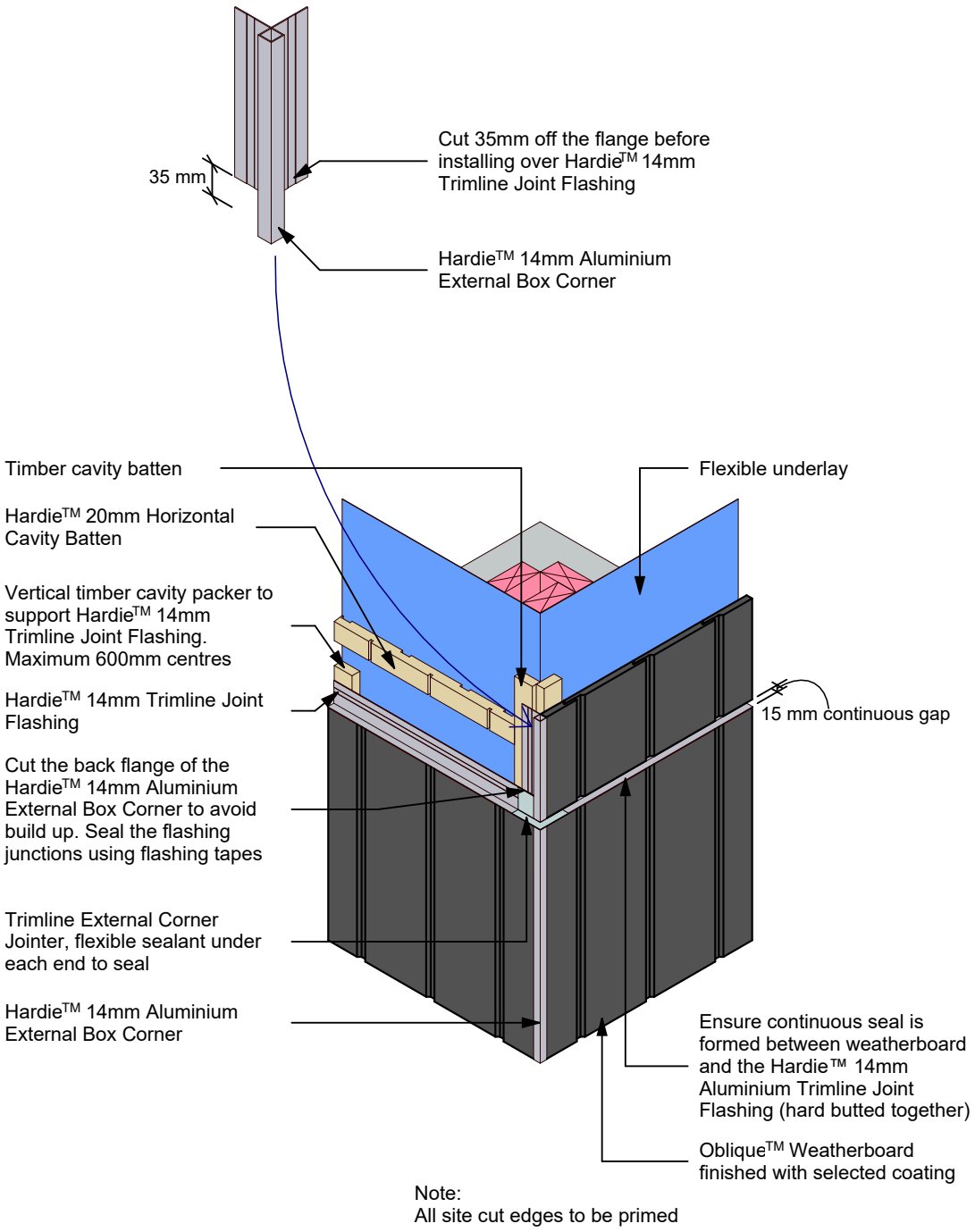
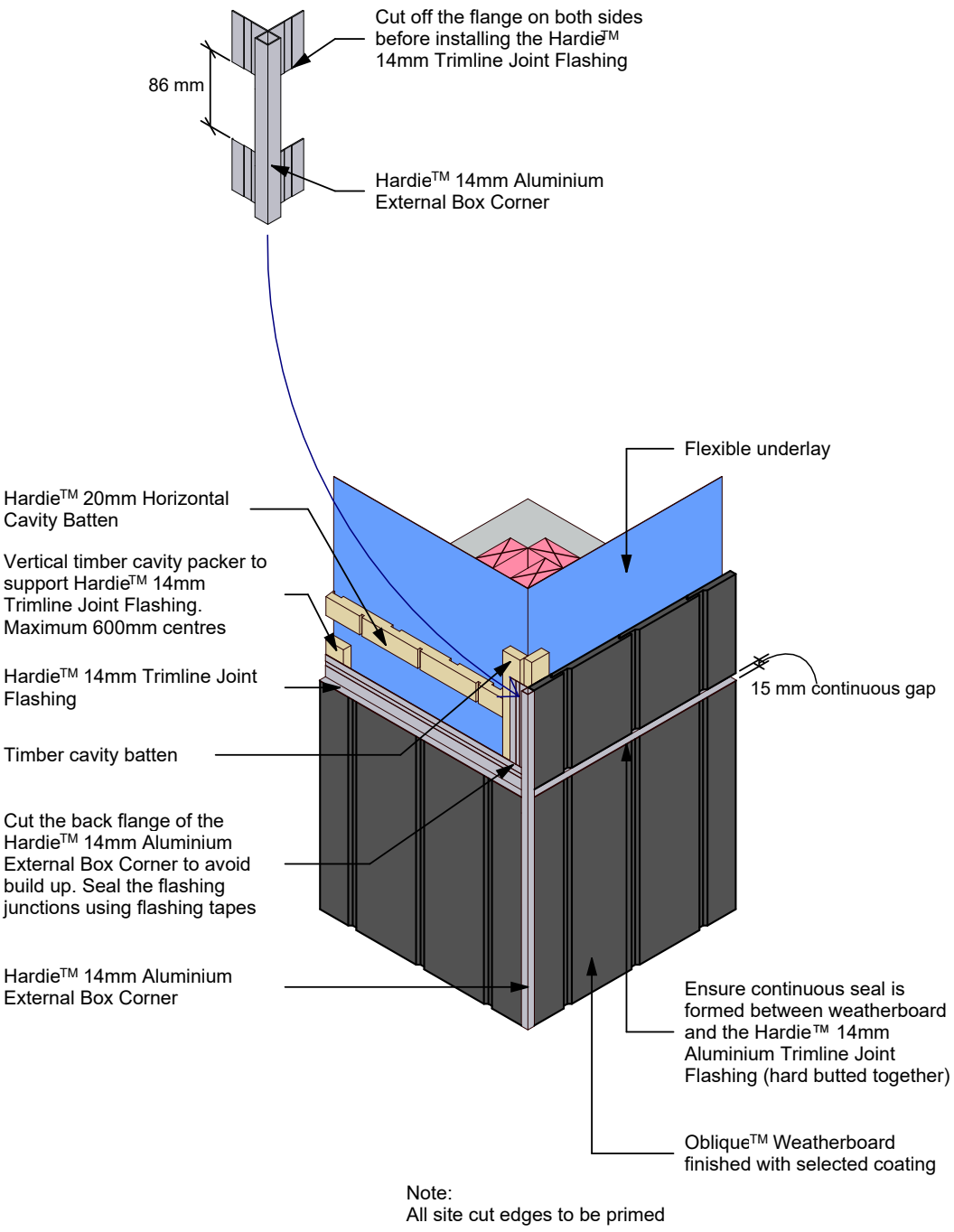


Figure 28: Trimline joint flashing at floor joist external corner - Option A



Note:
All site cut edges to be primed

Figure 29: Trimline joint flashing at floor joist external corner - Option B



Note:
All site cut edges to be primed

Figure 30: Joining moulding

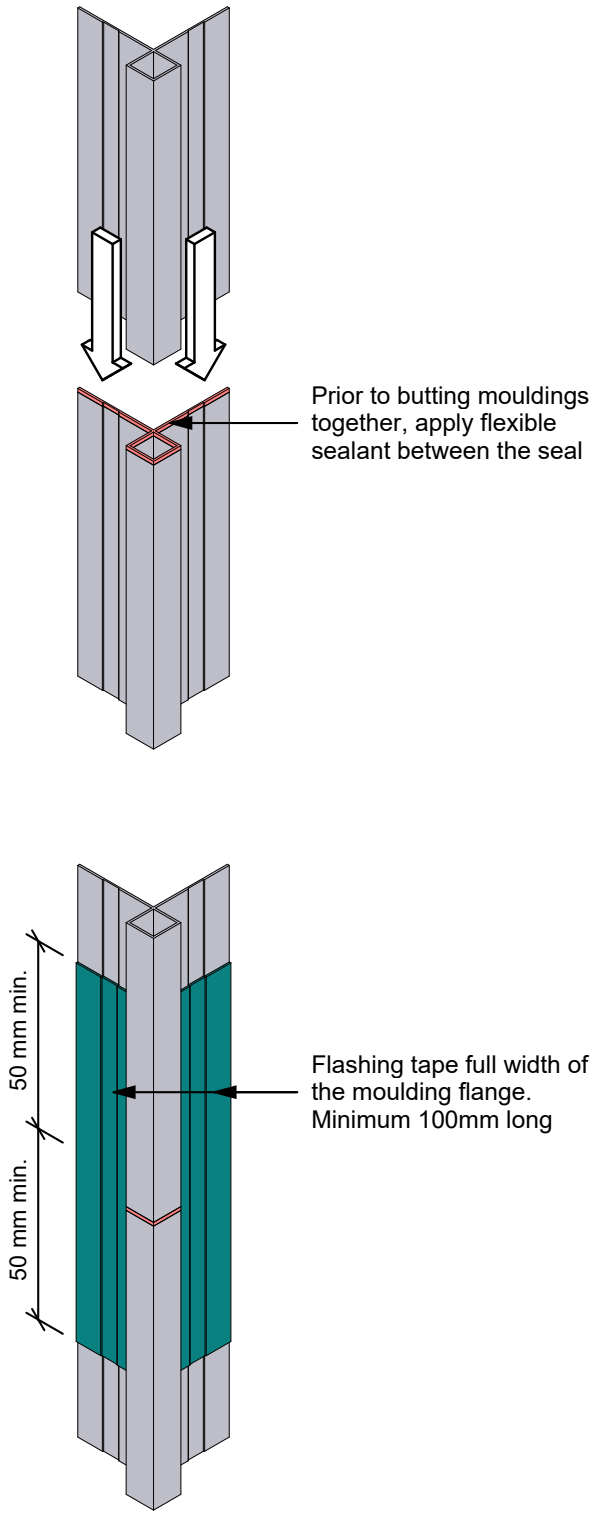


Figure 31: Trimline joint flashing at floor joist internal corner

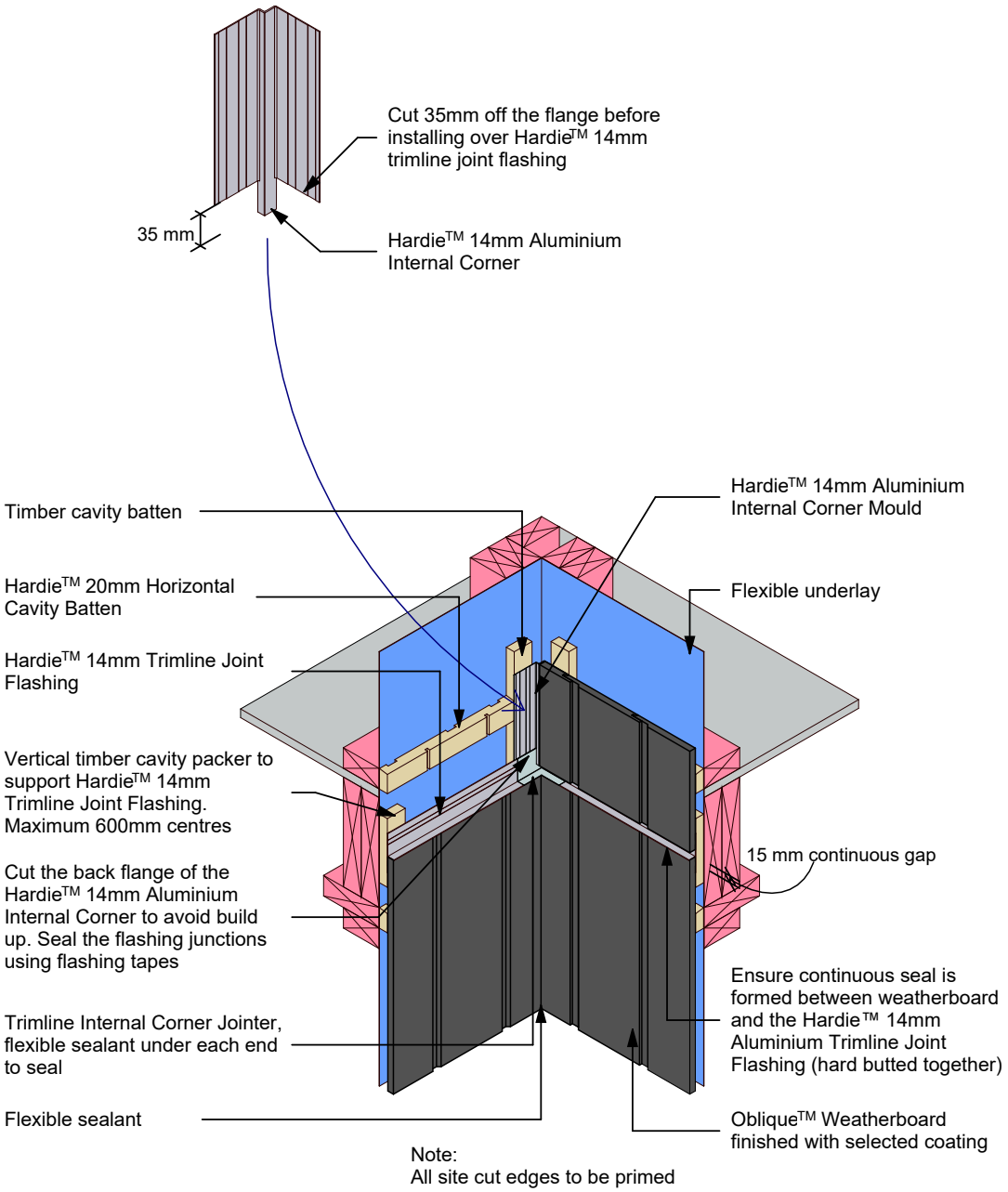
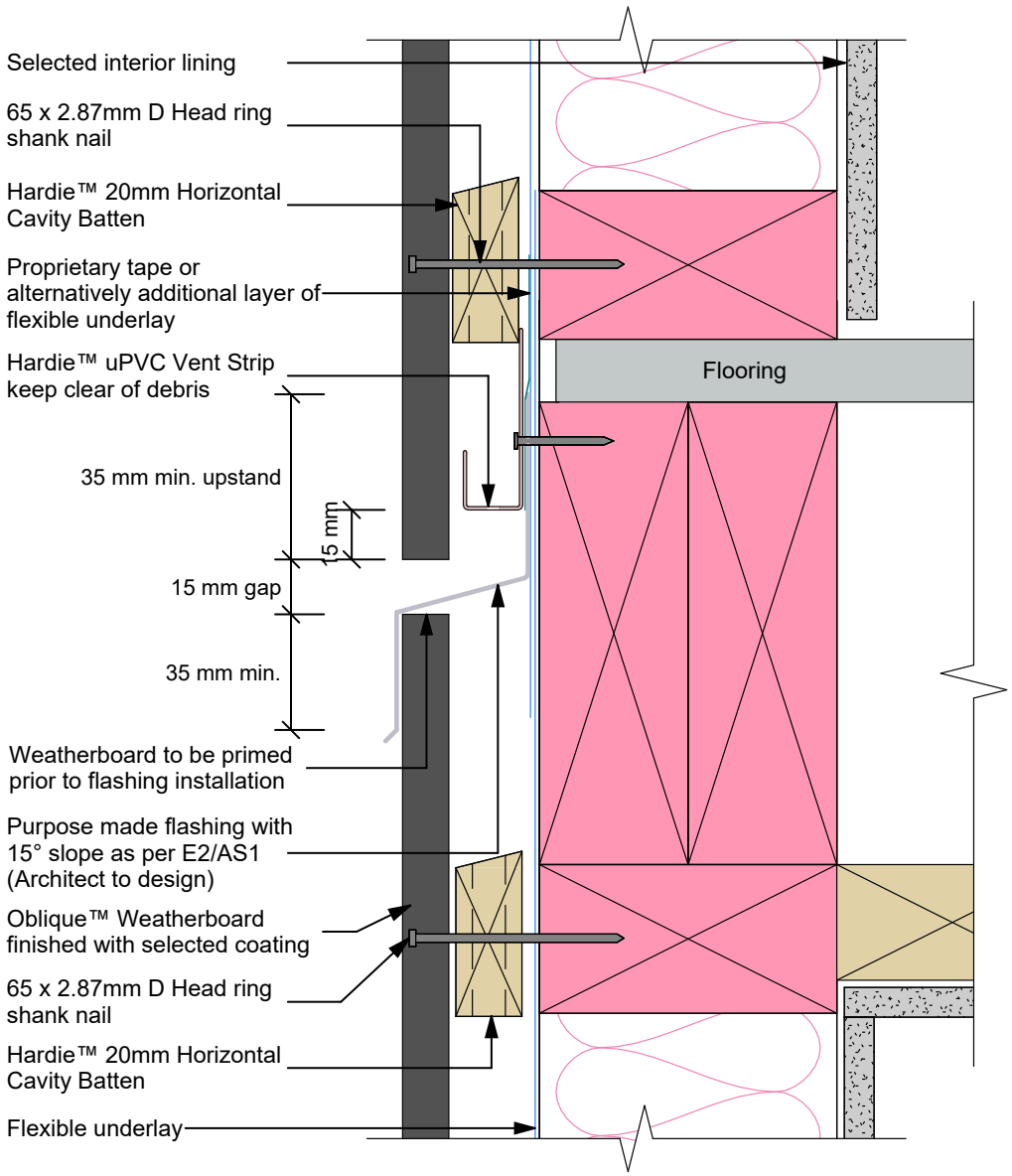


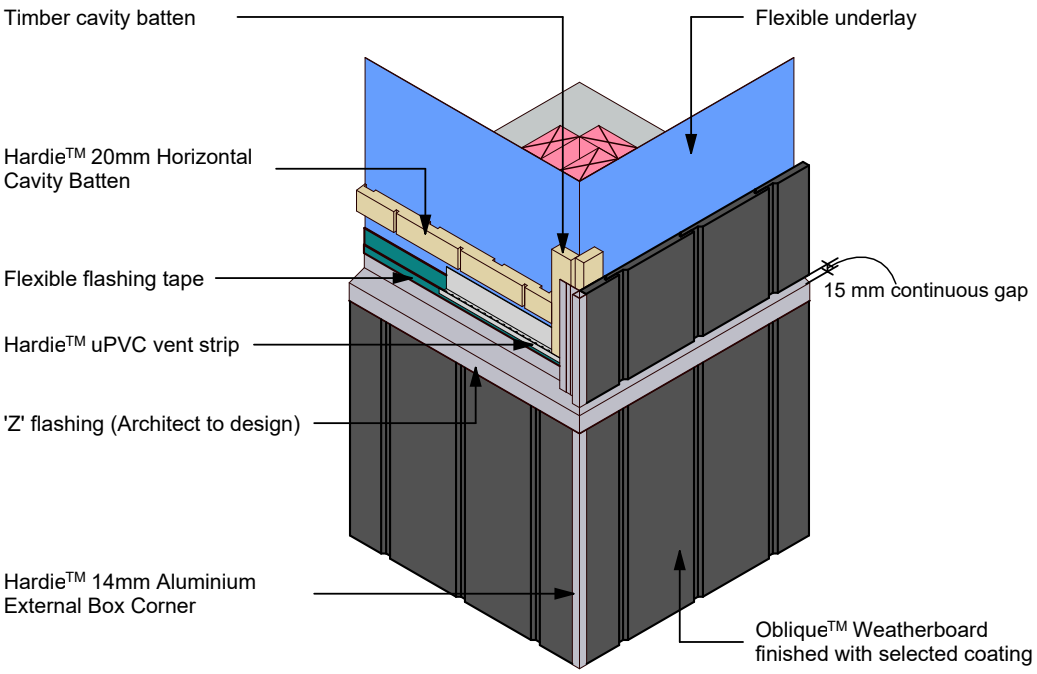
Figure 32: Drained flashing joint at floor level



Notes:

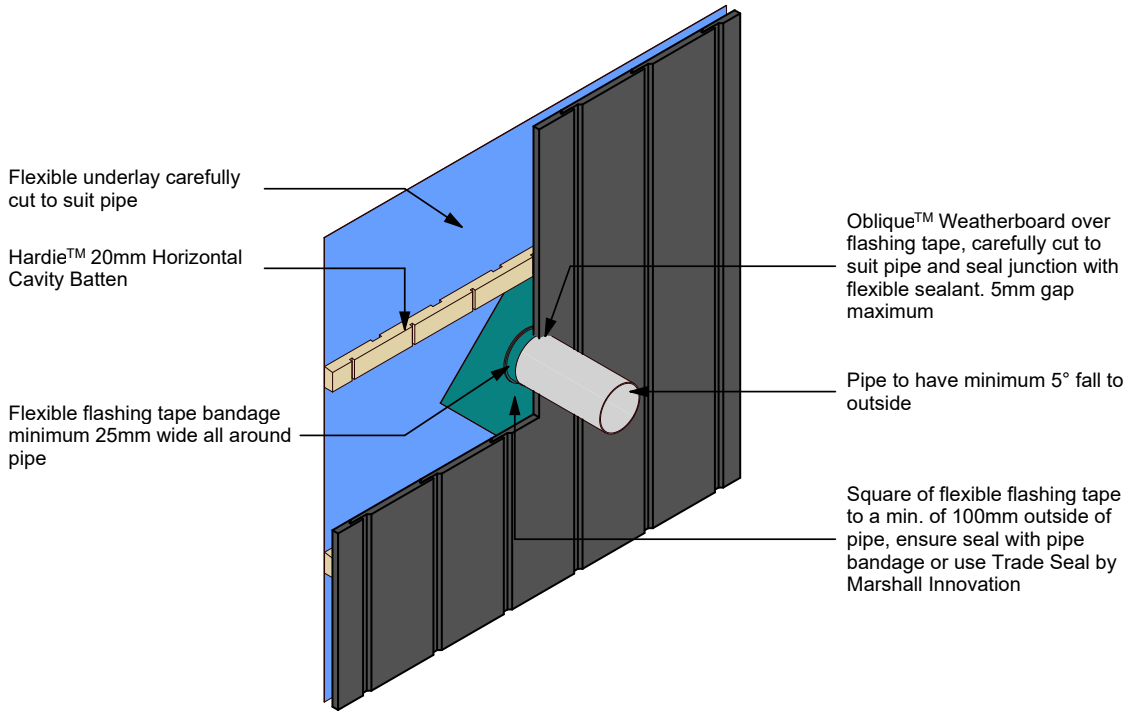
- This detail is required to limit cavities to a maximum of 2 stories or 7 metres. Refer to E2/AS1 Paragraph 9.1.8.4
- Check architect's plans for the type of 'Z' flashing to be used
- Check fixing centres and edge distances
- Cut edges need to be primed
- The flashing to be placed in the centre of the floor joists. Do not fix timber cavity battens or cladding into floor joists

Figure 33: Drained flashing joint at floor joist external corner



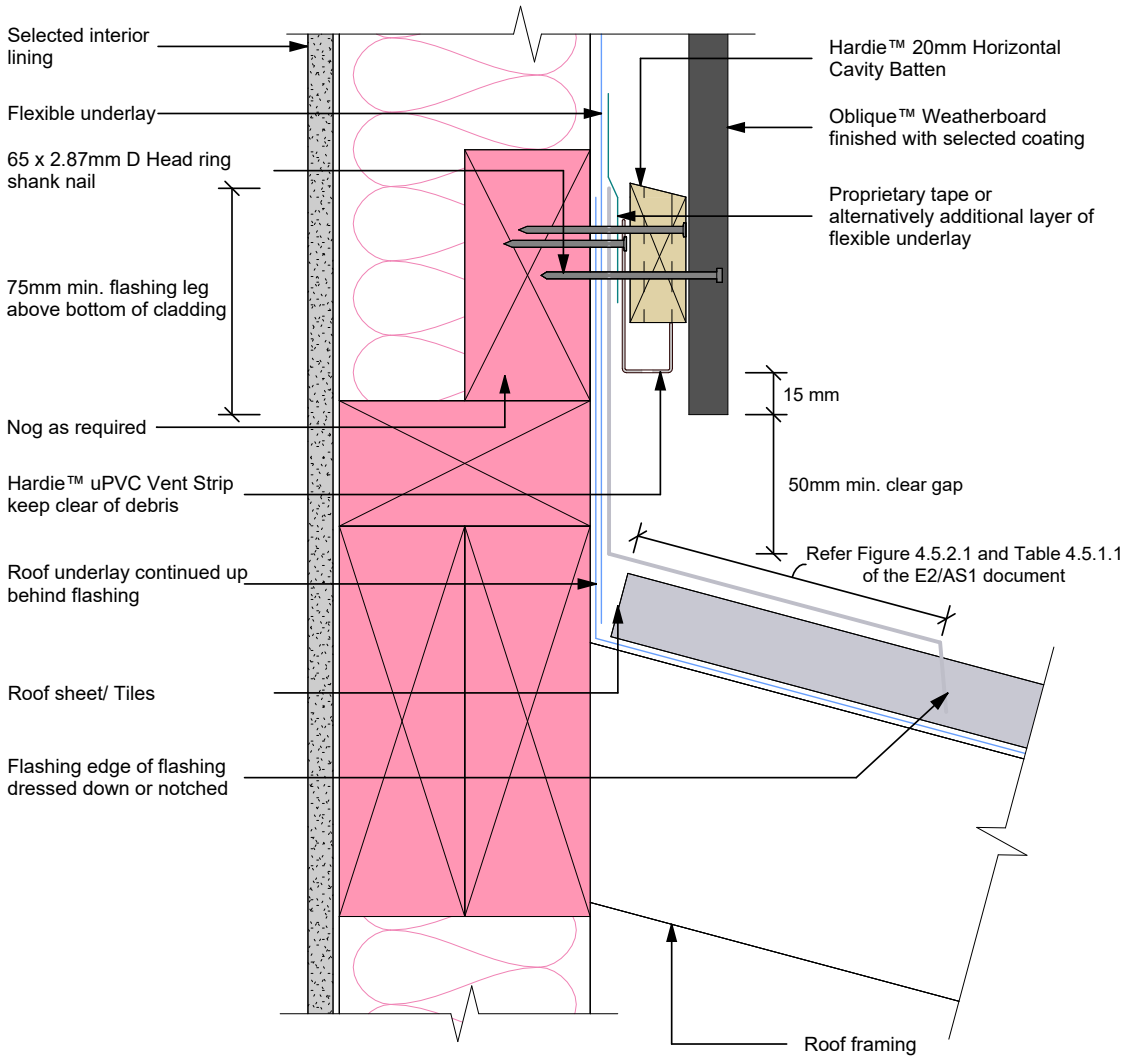
Note:
All site cut edges to be primed

Figure 34: Pipe penetration



Note:
All site cut edges to be primed

Figure 35: Apron flashing



Notes:
- When 50 year durability for flashing is required refer to Table C.1.1.1A of the NZBC E2/AS1 document
- Site cut edges to be primed

Figure 36: Parapet flashing

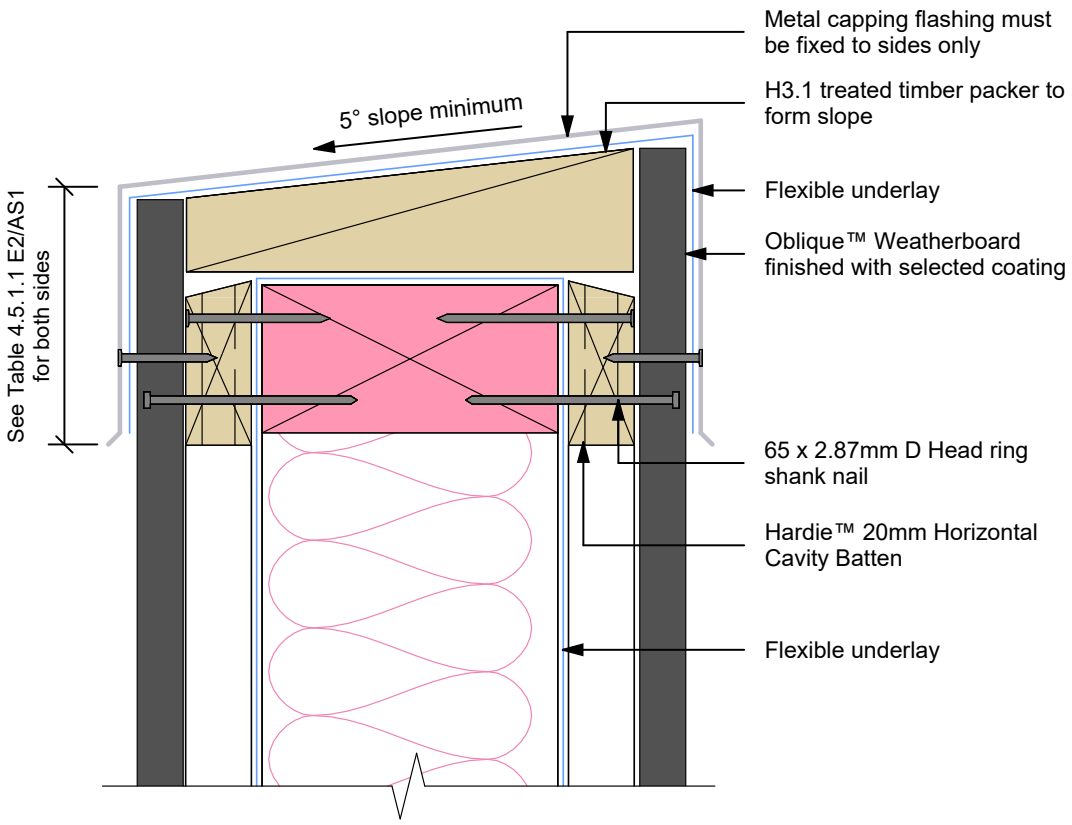


Figure 37: Enclosed deck balustrae to wall junction isometric

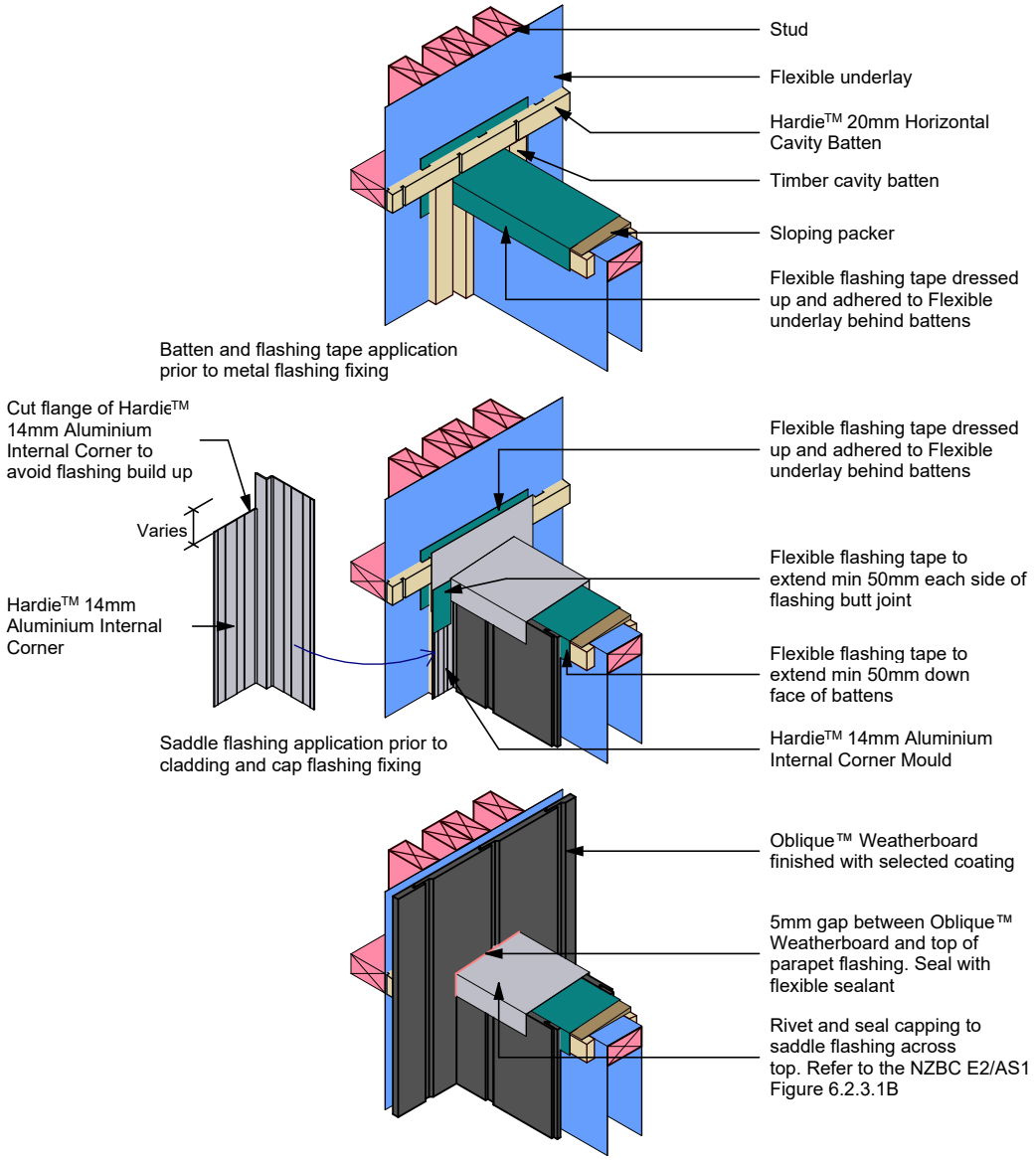


Figure 38: Roof to wall junction

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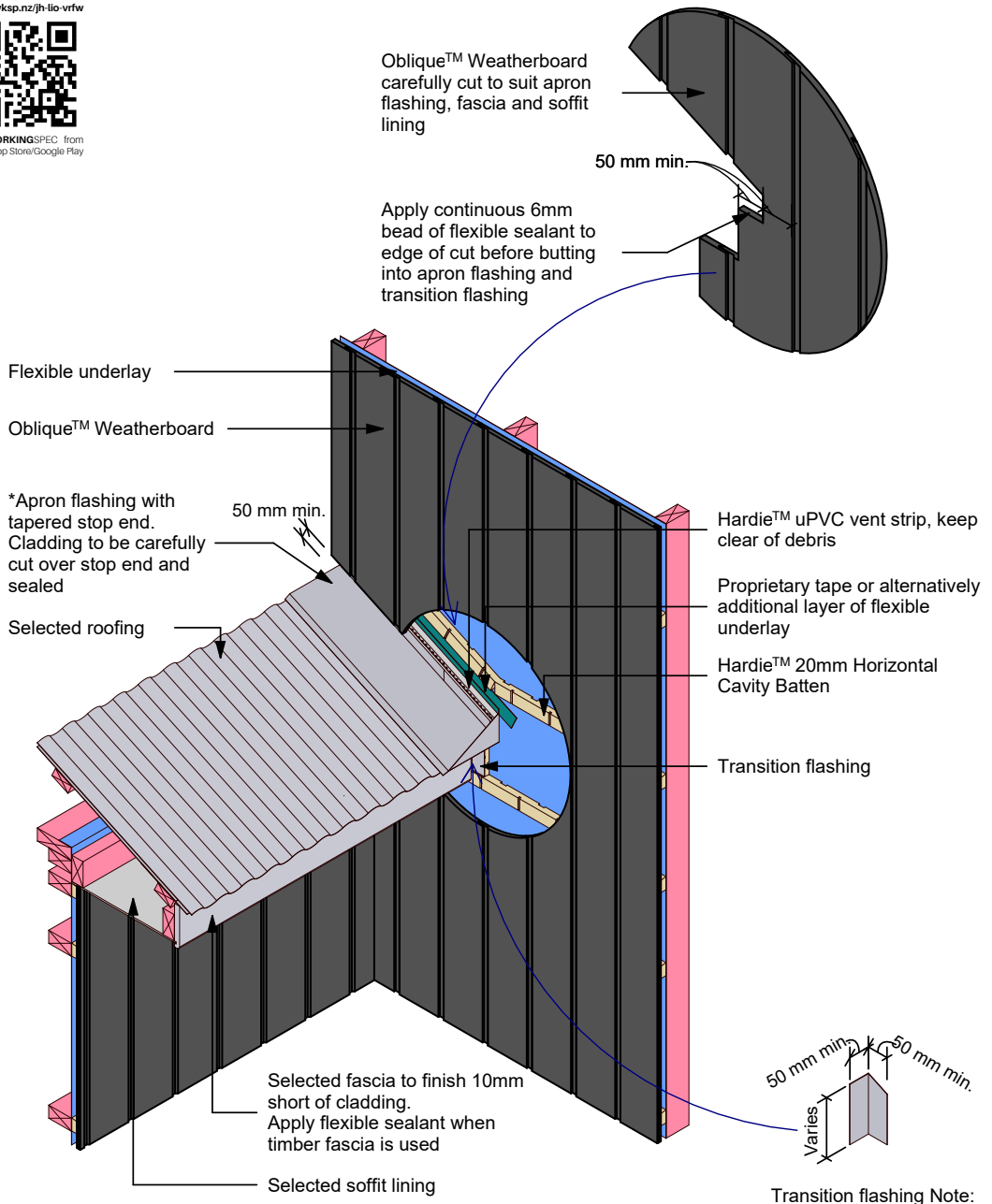


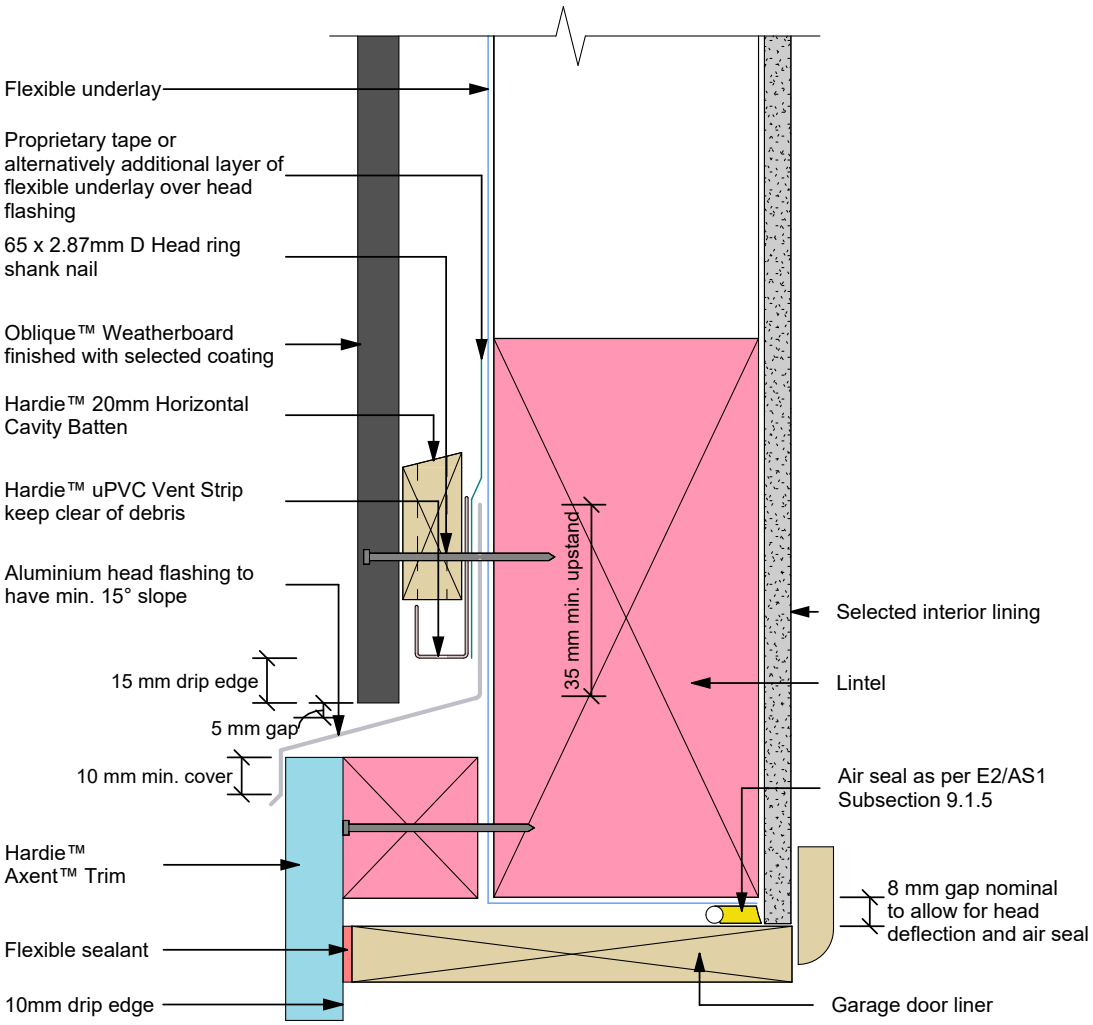
Transition flashing Note: Height of transition flashing from top of fascia to underside of soffit lining

Note:

- Site cut edges to be primed
- Spouting omitted for clarity. End of spouting must be 10mm minimum clear of finished Oblique™ Weatherboard
- Oblique™ Weatherboard to be primed prior to fascia installation

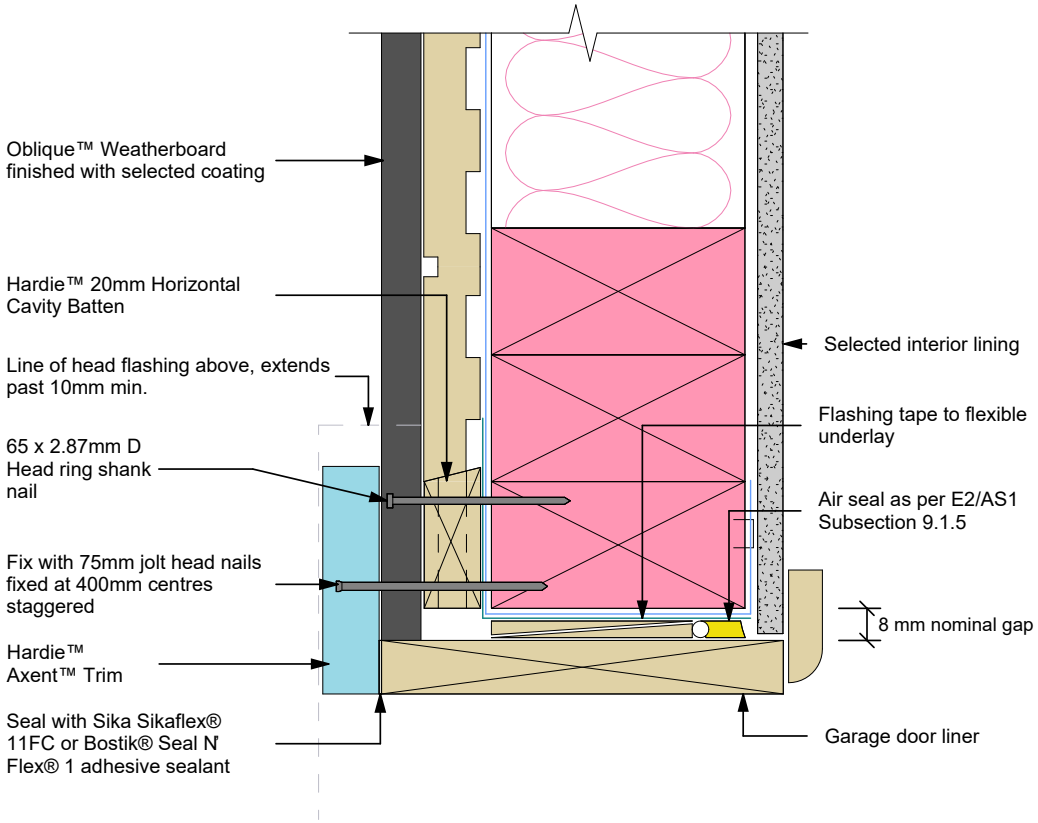
*When 50 year durability for flashing is required refer to Table C.1.1.1A of the NZBC E2/AS1 document

Figure 39: Garage door head



- Sealant must be applied between head flashing and Hardie™ Axent Trim in VH wind zone
- Site cut edges to be primed

Figure 40: Garage door jamb



Note: Site cut edges to be primed

Figure 41: Cavity batten setout for building height over 10m or different fire cells

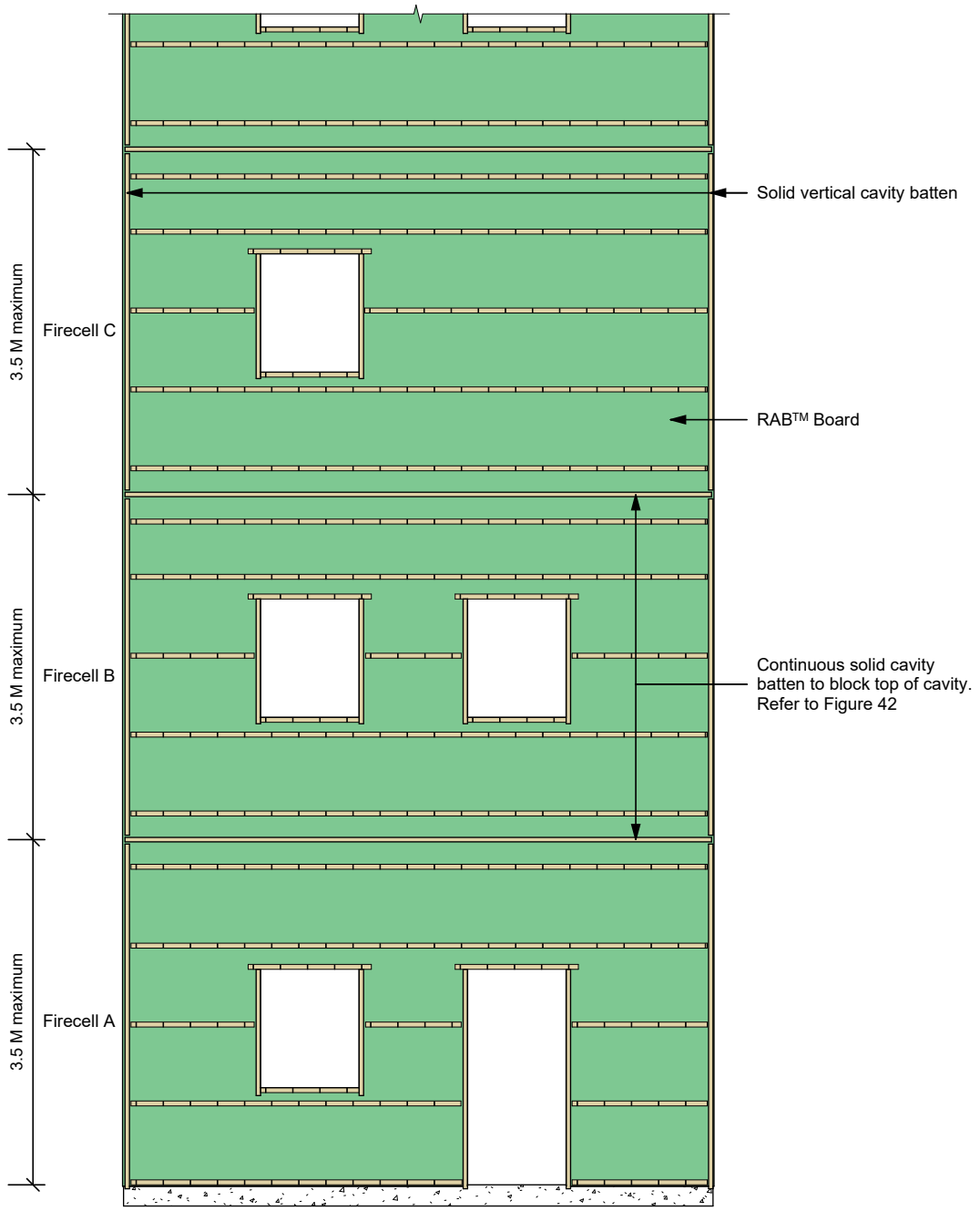
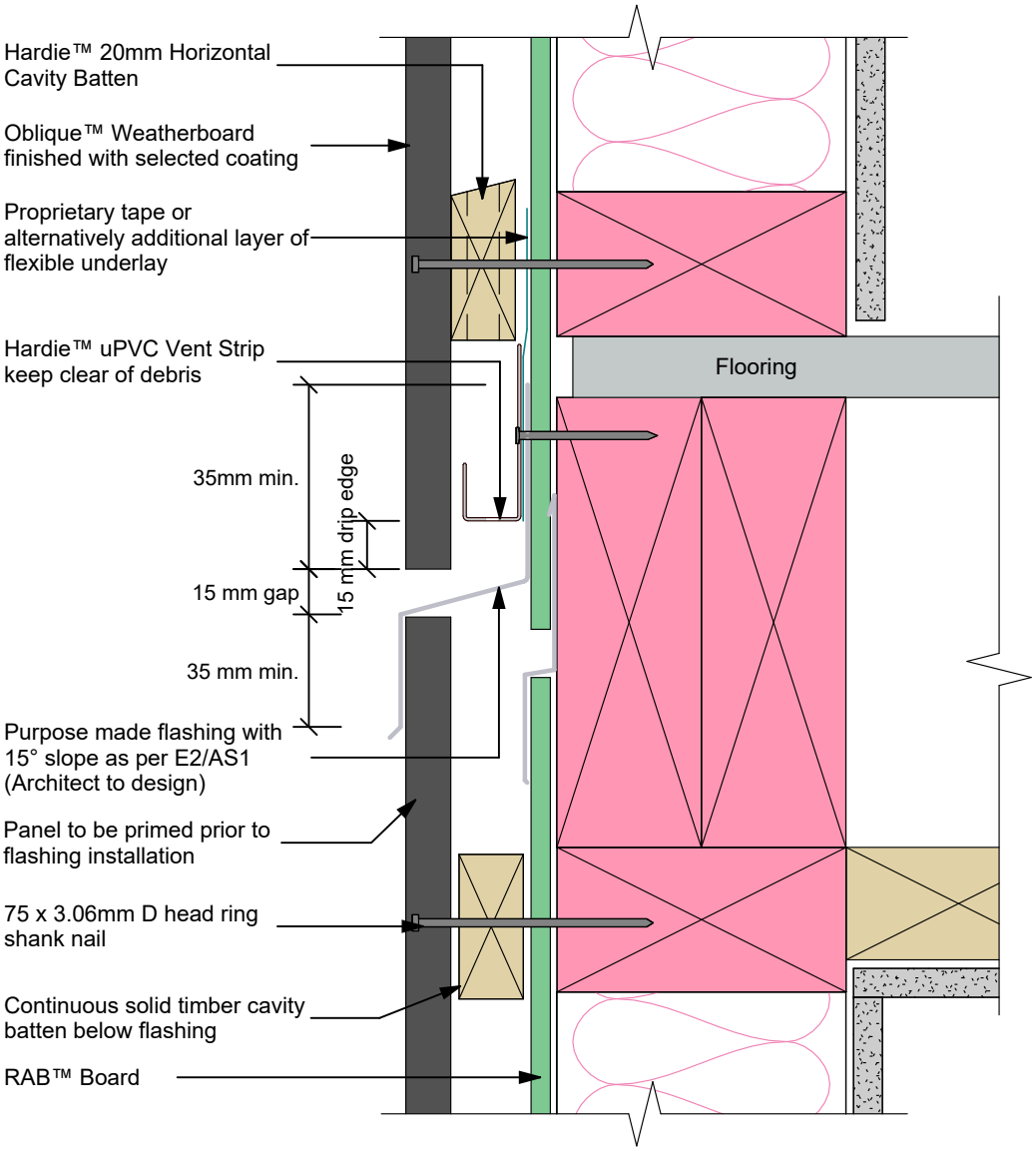


Figure 42: Inter-storey drainage and fire stopping joint



Note:

- This detail is required to limit cavities to a maximum of 2 stories or 7 metres. Refer to E2/AS1 Paragraph 9.1.8.4
- Check architect's plans for the type of flashing to be used
- Check fixing centres and edge distances
- Cut edges need to be primed
- The flashing to be placed in the centre of the floor joists. Do not fix timber cavity battens or cladding into floor joists
- For Oblique™ Weatherboard on buildings with inter-tenancy horizontal joint an aluminium vent strip must be used.

Oblique™ Weatherboard

Product Warranty

NEW ZEALAND I Effective August 2024

This warranty is given by James Hardie New Zealand Limited ("James Hardie", "we", "its" and "us").

In this warranty:

- ***"Consumer"*** has the meaning given to it in the Consumer Guarantees Act;
- ***"Product"*** refers to the item listed below:

Oblique™ Weatherboard

- ***"Technical Literature"*** means the Product specific installation guide published by James Hardie at the time of installation of the product (copies of the current installation instructions are available at jameshardie.co.nz or by calling Ask James Hardie™ on 0800 808 868); and
- ***"Warranty Period"*** means twenty five (25) years.

Warranty

1. Subject to the conditions and limitations set out below, we warrant that for the Warranty Period from the date of purchase, the Product will be free from defects due to defective factory workmanship or materials.
2. James Hardie further warrants that for a period of 15 years from the date of purchase of the Product that any associated accessories supplied by us will be free from defects due to defective factory workmanship or materials.
3. James Hardie warrants that at the time of manufacture the Product will comply with AS/NZS 2908.2:2000 Cellulose-cement products - Flat sheet.
4. This warranty is not transferable and is only provided to and may only be relied upon by:
   (a) the first purchaser of the Product or accessory from James Hardie; and
   (b) the last purchaser of the Product or accessory prior to installation.
5. If a breach of this warranty occurs, we will (at our option) either: supply replacement Product or accessory; rectify the affected Product or accessory; or pay for the reasonable and substantiated cost of the replacement or rectification of the affected Product or accessory.

Warranty Conditions

6. You may only claim under this warranty if:
   (a) the Product was installed and maintained strictly in accordance with the Technical Literature including the components or products specified or recommended in the Technical Literature; and
   (b) other products applied to or used in conjunction with the Product are applied or installed and maintained strictly in accordance with the relevant manufacturer's instructions and good trade practice; and
   (c) the Product is used in an application designed and constructed in strict compliance with all relevant provisions of the New Zealand Building Code (**"NZBC"**), applicable laws, regulations and standards; and
   (d) we are given reasonable opportunity to inspect the Product **before** any attempt is made to repair or remove the Product once it has been installed; and
   (e) the requirements for bringing a claim under the warranty as set out in clause 8 are complied with.
7. Subject to clauses 10 and 11:
   (a) to the fullest extent permitted by law, we exclude all:
      (i) other warranties, conditions, liabilities and obligations which may otherwise apply in respect of the purchase or use of the Product and/or its Technical Literature, other than those specified in this warranty; and
      (ii) liability for any loss or damage (whether direct or indirect) including property damage or personal injury, consequential loss, economic loss or loss of profits, the purchase or use of the Product and/or its Technical Literature whether arising in contract, tort (including negligence), statute or equity.
   (b) if or to the extent that it is not permitted by law to so limit our liability as set out in clause 7(a), then to the fullest extent permitted by law, we limit our liability at our option to:
      (i) the replacement of the Product or accessory or the supply of equivalent Product or accessory;
      (ii) the repair of the Product or accessory;
      (iii) the payment of the reasonable and substantiated cost of replacing the Product or accessory, or of acquiring equivalent Product or accessory; or
      (iv) the payment of the reasonable and substantiated cost of having the Product or accessory repaired;
   (c) this warranty does not cover defects which are not due to defective factory workmanship or materials, including but not limited to damage or defects caused by or arising from or attributable to:
      (i) use of the Product in applications not recommended by us or in accordance with the Technical Literature;
      (ii) the Product being subjected to abnormal treatment including impact, abrasion or mechanical action;
      (iii) surface marking, scratches or stains arising during or after the installation of the Product;
      (iv) poor workmanship or installation, poor design or detailing, settlement or structural movement and/or movement of materials to which the Product is attached;
      (v) incorrect design of the structure;
      (vi) acts of God including but not limited to earthquakes, fire, cyclones, floods or other severe weather conditions or unusual climatic conditions;
      (vii) efflorescence, normal wear and tear, growth of mould, mildew, fungi, bacteria, or any organism on any Product surfaces or Product (whether on the exposed or unexposed surfaces);

(viii) contact with chemicals such as solvents, detergents and pollutants, or exposure to a harsh chemical environment or an excessively salty environment;

(ix) use of adhesive tapes, sealants or mastics on the Product, or recoating of the surface of the Product outside of the recommended maintenance guidelines in the Technical Literature; or

(x) failure of third party coating systems, including but not limited to sealers and paints; and

(xi) **this warranty does not cover** any variation in the look of the Product including but not limited to: any variation in colour or surface pattern; any variation between different batches of the Product; or any variation against any sample material provided. The architect/builder/installer must ensure **prior to specification** that variation in look between items of Product is acceptable and ensure that each item of Product meets all aesthetic requirements **prior to installation.** Subject to the terms of this warranty, after installation of the Product, **we are not liable** for claims arising from aesthetic variations or defects if such variations or defects were, or would upon reasonable inspection have been, **apparent prior to installation.**

Making a Claim Under Warranty

If you are the property owner and did not purchase the product yourself, and you believe you have any issue with James Hardie product installed at your home, in the first instance you should contact the builder who purchased and installed the product. If you purchased the product yourself, you can make a claim under this warranty as detailed below.

8. In order to make a claim under this warranty, you must provide the following information in writing to us using the contact details below within 30 days after the alleged defect would have become reasonably apparent or, if the defect was reasonably apparent prior to installation, then the claim must be made prior to installation:
   (a) proof of purchase;
   (b) description of the defect and the issue;
   (c) photographs of the defect; and
   (d) your contact details.
9. Subject to New Zealand Consumer Law, you must bear any expenses you incur as a result of claiming under this warranty, except where you are entitled to recover such expenses under the New Zealand Consumer Law, in which case we will bear or otherwise reasonably compensate you for such expenses. All claims for such expenses are to be notified to us in writing within 21 days from the later of: when you make a claim under this warranty; or when we notify you that we, acting reasonably, accept responsibility for these expenses.

New Zealand Consumer Law

10. If you acquire the Product or accessories manufactured or supplied by us as a Consumer, that Product or accessories may come with guarantees that cannot be excluded under the Consumer Guarantees Act. If so, and we are a supplier, you are entitled to a replacement or refund for a failure of a substantial character or a failure that cannot be remedied, and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality or fail to meet some other guarantee and can be remedied and the failure is not of a substantial character. Where we or a related entity are the manufacturer, then you will have the rights set out in the Consumer Guarantees Act if the goods do not comply with this warranty or the consumer guarantees under the Consumer Guarantees Act.
11. Other than as lawfully excluded or limited by the other terms of this warranty, any rights a Consumer may have under this warranty are in addition to other rights and remedies of a Consumer under a law in relation to the goods to which this warranty relates. Nothing in this warranty shall exclude or modify any legal rights a purchaser and/or Consumer may have under the Consumer Guarantees Act, Fair Trading Act or otherwise which cannot be excluded or modified at law.

Disclaimer

The recommendations in James Hardie's literature are based on good building practice but are not an exhaustive statement of all relevant information. Further, as the successful performance of the relevant system depends on numerous factors outside the control of James Hardie (e.g. quality of workmanship and design) James Hardie shall not be liable for the recommendations made in that Technical Literature and the performance of the relevant system, including its suitability for any purpose or ability to satisfy the relevant provisions of the NZBC, laws, regulations and standards. It is the responsibility of the building designer to ensure that the details and recommendations provided in the relevant James Hardie Technical Literature are suitable for the intended project and that specific design is conducted where appropriate.

Our Contact Details

James Hardie New Zealand Limited

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Telephone: "Ask James Hardie™" on 0800 808 868

Website: www.jameshardie.co.nz

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JamesHardie™

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