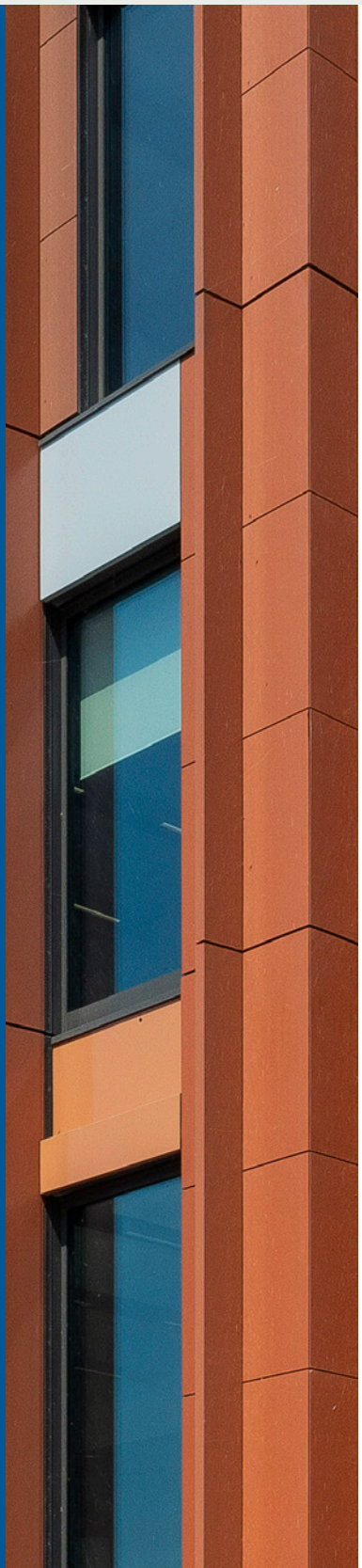
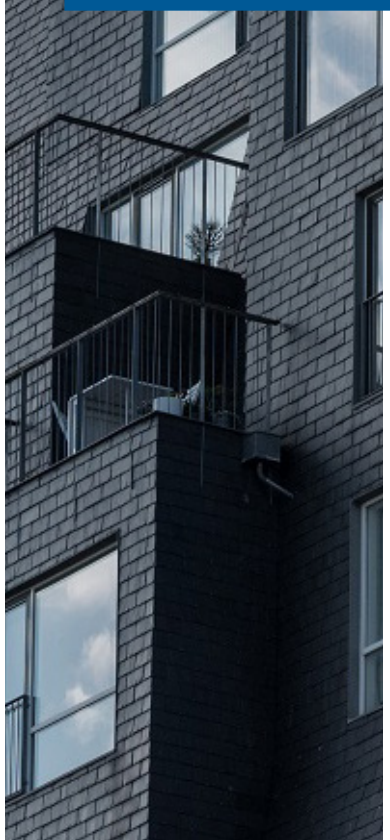
THE BUILDING AGENCY

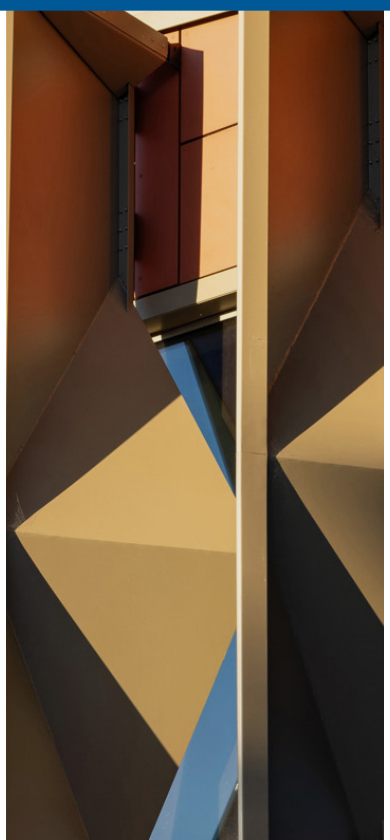
Integrated Enclosure Systems

ENCLOSURE™

Building Systems Specifier Guide







Building Systems Specifier Guide

Contents

The Building Agency

At The Building Agency we believe in a philosophy of building excellence and holistic design. As specialists in supplying premium facade, cladding, roofing, and interior systems for the New Zealand construction industry, The Building Agency bridges the gap between innovative international manufacturers and local design expertise.

Our team combines extensive knowledge of building science, compliance, and installation practices to support every stage of a project, from concept and specification through to completion. We work collaboratively with consultants and contractors to ensure our systems meet or exceed New Zealand Building Code requirements while achieving outstanding visual and functional results.

Representing a carefully curated range of global brands, The Building Agency is known for bringing high-quality, tested, and trusted solutions to the local market. Our product lines are selected for their technical integrity, ease of installation, and long-term performance in New Zealand's varied climate conditions.

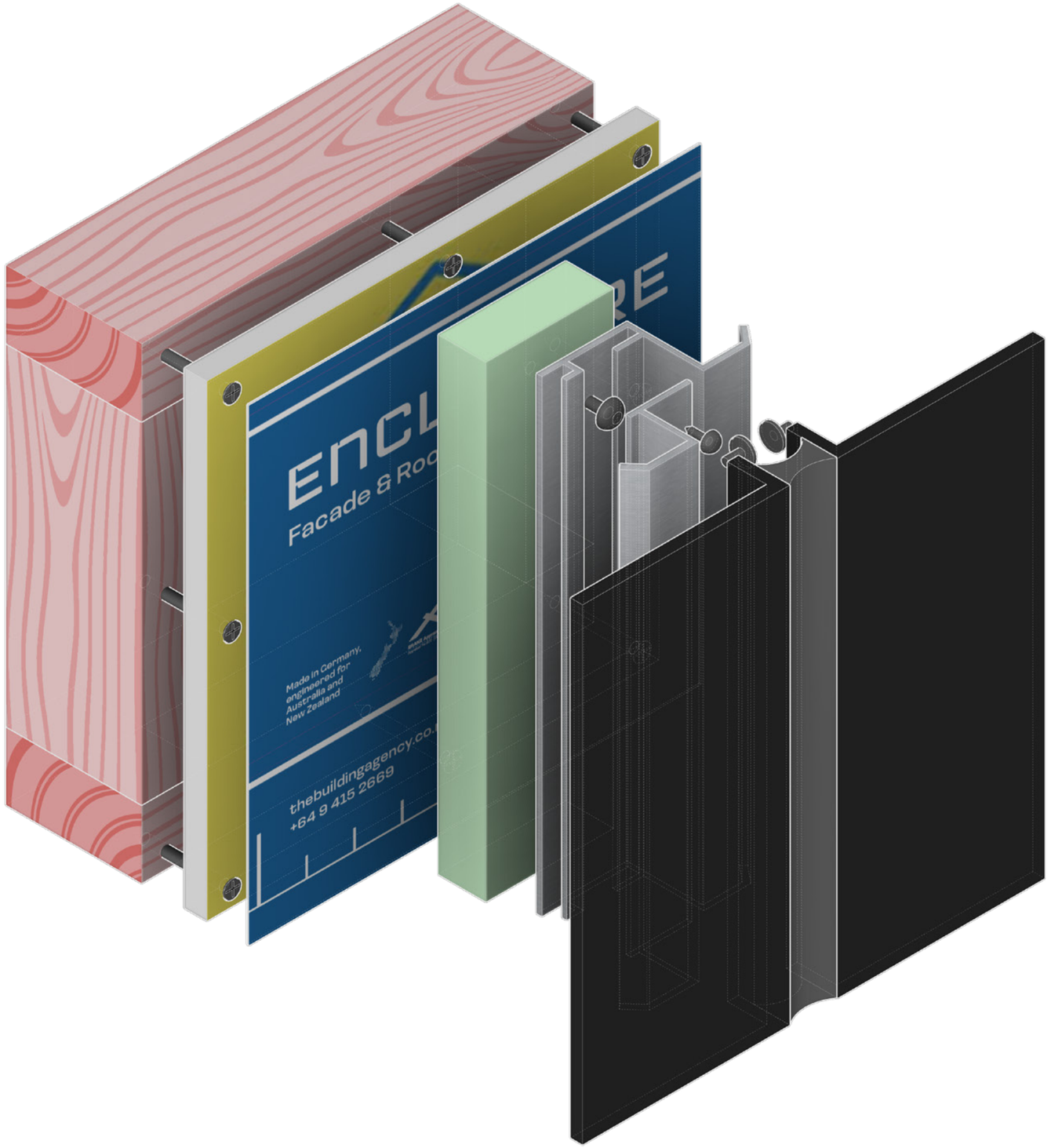
Through continuous innovation, technical support, and strong industry partnerships, The Building Agency is committed to helping create buildings that are not only architecturally distinctive, but also resilient, efficient, and enduring, adding long-term value to the built environment throughout New Zealand.

More Than Skin Deep

The ENCLOSURE™ range sets a new benchmark in holistic building design, providing a complete external wall system from the framing outwards. Each assembly integrates structural sheathing, environmental barriers, and insulation to create a robust, high-performance foundation for the building envelope.

Once this core system is established, architects, designers, and developers have the freedom to select any cladding material to achieve their desired aesthetic. This inside-out approach ensures the building's performance requirements, thermal, structural, and weathertightness, are resolved first, before addressing the visual expression of the facade.

By reversing the traditional outside-in process of starting with a cladding choice and then piecing together supporting layers for compliance, ENCLOSURE™ systems deliver fully integrated, code-aligned solutions that simplify design, enhance durability, and guarantee consistency of performance across diverse architectural applications. Systems built for longevity, efficiency, and design freedom, more than just skin deep.



Sustainability

At The Building Agency, we recognise that our role in supplying building systems carries a responsibility to minimise environmental impact while delivering enduring quality. We are committed to integrating sustainable principles across our operations, product sourcing, and partnerships to support resilient, low impact, built environments that serve both current and future generations.

Our ENCLOSURE™ range of systems is an exemplar of how we prioritise the selection of materials with long lifespans, high durability, and low maintenance demands, which reduces the need for frequent replacement and conserves resources over the lifecycle of a building. By curating premium products from global manufacturers that adhere to international environmental standards and certifications, we provide architects and builders the tools to deliver high-performance assemblies that support energy efficiency, thermal comfort, and moisture control.

We partner with manufacturers who share our long-term commitment to performance-driven sustainability, supported by verified testing and robust warranties. Through these choices, The Building Agency, and the ENCLOSURE™ range, supports designers and builders in creating buildings that are efficient, resilient, and built for lasting environmental value.

Pre-Cladding

The **ENCLOSURE**™ range provides a complete pre-cladding solution designed to protect and prepare the building envelope prior to the installation of external finishes.

ENCLOSURE™ adopts an 'inside-out' design philosophy, with each system integrating structural sheathing, air and moisture control layers, and compatible flashing components to provide continuous, coordinated performance.

Whether used for temporary weather protection, improved airtightness, or as part of a fire-rated or bracing system, the **ENCLOSURE**™ pre-cladding range delivers robust substrate solutions that simplify installation and support compliance with NZ Building Code performance requirements.

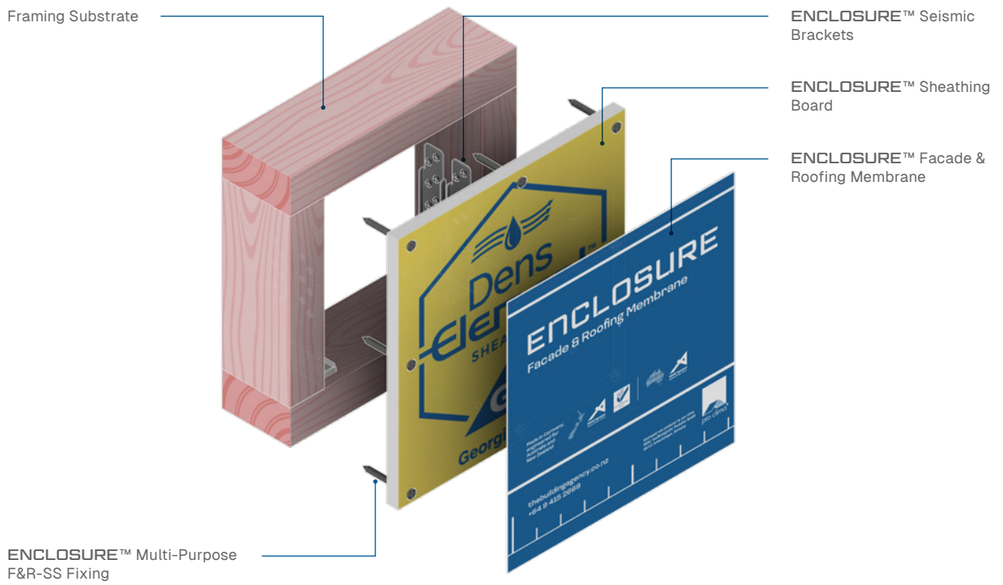
ENCLOSURE™
Sheathing System

Product Overview

ENCLOSURE™ Sheathing System is a rigid weathertightness and structural bracing system comprising glass-mat gypsum sheathing with a vapour-permeable, self-adhered weather/air-resistive membrane.

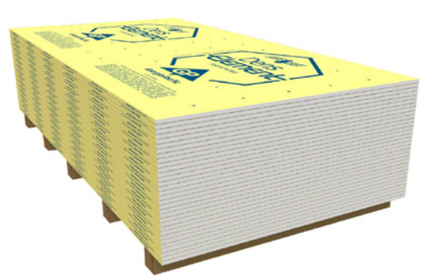
When installed to framing as a continuous substrate and detailed in accordance with this literature, the assembly forms a continuous Rigid Wall Underlay providing airtightness, a secondary line of weather defence behind cladding, and temporary weather protection during construction.

ENCLOSURE™ Sheathing System may be used in bracing and fire-rated wall systems when designed and installed in accordance with the published bracing values, fire classifications, and details in this document.



Product Benefits

- Minimises uncontrolled air movement within the wall cavity, which improves external wall thermal performance.
- Acts as a secondary line of weather defence behind the cladding.
- Offers protection from the elements prior to cladding.
- Enables fire-rated wall assemblies.
- Forms a rigid structural bracing element when installed as a tested bracing system.
- Reduces building time.
- Simple and easy to install.



Product Specification

ENCLOSURE™ Sheathing System is formed using ENCLOSURE™ Sheathing Board and ENCLOSURE™ Facade & Roofing Membrane, with a total thickness of 16.6mm.

PRODUCT	WIDTH (M)	LENGTH (M)	WEIGHT (KG/M²)
ENCLOSURE™ Sheathing Board (15.9mm)	1.2	2.4 3.0	12
ENCLOSURE™ Facade & Roofing Membrane Roll (0.7mm)	1.5	30	0.24

Scope of Use

This guide covers the use of ENCLOSURE™ Sheathing System in external wall pre-cladding applications only and has been appraised for use as a rigid weathertightness and structural bracing system on buildings within the following scope:

- Constructed with timber framing in accordance with the scope limitations of NZBC Acceptable Solution E2/AS1.
- Constructed with light gauge steel framing in accordance with NASH Standard (Parts 1 and 2).
- Situated within NZS 3604 Wind Zones up to, and including, Extra High, where design wind pressures do not exceed the tested system capacity; or used in conjunction with cladding systems designed to accommodate maximum wind pressures for structural and weathertightness performance up to 2.5 kPa ULS.
- Incorporating absorbent and non-absorbent wall cladding systems installed over a minimum 18mm drained cavity.
- On walls situated 1m or more from the relevant boundary.
- Simple and easy to install.

Bracing

ENCLOSURE™ Sheathing System can be used as a wall bracing system for timber framed buildings constructed within the scope of NZS 3604.

Fire Resistance Rated (FRR) Construction

ENCLOSURE™ Sheathing System can be used in both loadbearing and nonloadbearing fire rated wall construction, including fire rated systems for timber-framed buildings.

Temporary Weather Protection

ENCLOSURE™ Sheathing System can be used as temporary weather protection. The system is currently undergoing testing to confirm allowable exposure durations.

Limitations of Use

- Not to be used as the primary weatherproofing or cladding.
- Not used in severe microclimatic conditions.
- Not fixed directly to masonry.

Compliance

The following clauses of the NZBC are applicable to ENCLOSURE™ Sheathing System.

Structure - B1

ENCLOSURE™ Sheathing System meets the structural requirements of Clause B1.3.1, B1.3.2 and B1.3.4, for the relevant physical conditions of B1.3.3 (a), (h), (j), and (f) when used as a bracing system.

Durability - B2

ENCLOSURE™ Sheathing System is currently being tested to meet the durability requirements of Clause B2.3.1 (a) not less than 50 years (when used as a bracing system), B2.3.1 (b) not less than 15 years.

Fire affecting areas beyond the fire source – C3

ENCLOSURE™ Sheathing System, when incorporated into a tested wall assembly and installed in accordance with this literature, contributes to compliance with NZBC Clause C3.6 and C3.7.

External moisture – E2

ENCLOSURE™ Sheathing System, when detailed and installed in accordance with this literature and used in conjunction with a minimum 18mm drained and vented cavity, contributes to compliance with NZBC Clause E2.3.2.

Hazardous building materials - F2

ENCLOSURE™ Sheathing System complies with the requirements of Clause F2.3.1 and will not present a health hazard when handled as per its technical specifications.

Basis of Compliance

- NZS 3604:2011 – Timber-framed buildings.
- P21:2012 – Testing bracing capacity of wall systems (BRANZ testing).
- AS/NZS 1170.2:2021 – Structural design actions.
- AS/NZS 4040.2:1992 – Resistance to wind pressure.
- AS 1530.4:2014 – Fire testing on building materials, components and structures.
- ASTM E96-22 – Test Methods for Water Vapour Transmission of Materials.

Responsibilities

This technical literature outlines recommended design and construction practices and is intended as a reference guide for typical exterior sheathing applications. It is not a substitute for the expertise and responsibility of qualified building professionals in designing projects and carrying out installations, nor does it cover every possible situation. Architects, designers, and engineers remain responsible for confirming that the details provided are suitable for the specific application.

Sustainability

An Environmental Product Declaration (EPD) provides details of the environmental impact of construction materials, products, and components based on their environmental profiles, functional properties, and technical specifications.

ENCLOSURE™ Sheathing System is a combination of a glass-mat gypsum sheathing covered with a self-adhesive membrane, both supported by EPD certification.

EPD INTERNATIONAL EPD SYSTEM
EPD10308

Gypsum sheathing;
Manufactured by Georgia-Pacific Gypsum LLC, USA.

EPD INTERNATIONAL EPD SYSTEM
EPD-IES-0020027

Adhesive membrane;
Manufactured by MOLL Bauökologische Produkte, Germany.

Design Considerations

Structure

ENCLOSURE™ Sheathing System is installed over timber and light steel framing as a continuous substrate to form a Rigid Wall Underlay. ENCLOSURE™ Sheathing System can also be used for bracing (timber framing only) to the extent and configurations published in this document.

Timber Framing

Timber framing shall comply with NZS 3604 or be subject to Specific Engineered Design (SED) in accordance with AS/NZS 1170. Where Specific Engineered Design is required, framing stiffness shall be not less than that required by NZS 3604.

Studs shall be provided at maximum 600mm centres. Framing layout shall be designed to ensure full support to all cladding panel edges and joints. Nogs, where required, shall be installed flush between studs. Framing must be a minimum of 45mm wide where ENCLOSURE™ Sheathing boards are joined.

Steel Framing

Light gauge steel framing shall comply with NASH Standard - Residential and Low-Rise Steel Framing (Parts 1 and 2).

Bracing

ENCLOSURE™ Sheathing System can contribute to the building's bracing performance for wind and seismic loads when fixed to timber framing in accordance with this document. See Bracing Section for full details on tested bracing systems, fixings, and calculations.

Durability

ENCLOSURE™ Sheathing System is designed to meet the durability requirements of NZBC Clause B2.3.1, including a minimum service life of 50 years when used as a bracing system and 15 years for components aligned with the cladding service life. Durability performance is currently being validated through ongoing testing and assessment.

Temporary Weather Protection

ENCLOSURE™ Sheathing System is designed to remain weather resistant during typical construction periods. The system is currently undergoing testing to confirm allowable exposure durations.

External Moisture

ENCLOSURE™ Sheathing System is used as a Rigid Wall Underlay behind cladding and facade systems that comply with the requirements of E2/AS1. Where the building envelope is designed outside the scope of E2/AS1, the complete wall assembly must demonstrate compliance with E2/VM1.

When installed in accordance with this literature, ENCLOSURE™ Sheathing System forms part of a wall assembly that contributes to compliance with the performance requirements of NZBC Clause E2, E2.3.2.

Environmental exposure conditions must be considered when designing the wall assembly, particularly where they may affect durability of components such as fixings, flashings, and other metal elements. Buildings located in areas subject to microclimatic influences must be specifically designed in accordance with NZS 3604 Clause 4.2.4 or otherwise supported by Specific Engineered Design (SED).

ENCLOSURE™ Sheathing System must be installed behind compatible cladding systems and used in conjunction with a minimum 18mm drained and vented cavity.

Vapour Permeability

The ENCLOSURE™ Sheathing System has been assessed for water vapour transmission in accordance with ASTM E96 Procedure B (water method) which tested the ENCLOSURE™ Sheathing assembled system (comprising ENCLOSURE™ Sheathing Board in combination with the self-adhered ENCLOSURE™ Facade & Roofing Membrane).

WATER VAPOUR TRANSMISSION RATE (WVTR, G/M² PER 24 HOURS)	WATER VAPOUR RESISTANCE (WVR, MNS/G)
51.8	2.35

These results indicate that the ENCLOSURE™ Sheathing System is vapour permeable, allowing the diffusion of water vapour through the wall assembly and supporting the outward drying of moisture from timber-framed construction.

Insulation & Energy Efficiency

The ENCLOSURE™ Sheathing (glass-mat gypsum board) component of the rigid wall underlay system has an R-value of 0.099 $m^2 \cdot K/W$. The self-adhesive Weather Resistive Barrier (WRB) does not contribute a measurable thermal resistance.

Fire Resistance

ENCLOSURE™ Sheathing System has been tested as part of wall assemblies in accordance with BRANZ AS 1530.4:2014 fire resistance testing and contributes to achieving fire resistance ratings (FRR) of up to 240/240/240 when detailed and installed as part of a tested system. Tested wall assemblies incorporating ENCLOSURE™ Sheathing have achieved the following performance:

- **FRR 60/60/60** – based on a 140mm timber-framed wall with a single layer of ENCLOSURE™ Sheathing Board, ENCLOSURE™ Facade & Roofing Membrane, and internal fire-rated lining.
- **FRR 240/240/240** – based on a 140mm timber-framed wall with multi-layer ENCLOSURE™ Sheathing Board configuration, ENCLOSURE™ Facade & Roofing Membrane, ENCLOSURE™ Stonewool insulation, and internal fire-rated lining.

Fire resistance performance is dependent on the complete wall assembly, including framing, linings, insulation, fixings, and installation methodology. The specified FRR can only be achieved where construction is consistent with the tested system details. Full fire rated system details are available on The Building Agency website.

Where variations from the tested systems occur, including changes to linings, framing, insulation, or configuration, a Specific Engineered Design (SED) or fire engineering assessment must be provided.

Wind Pressures

ENCLOSURE™ Sheathing System has been tested under BRANZ wind pressure testing to determine the maximum design pressure of specific framing and fixing configurations. Values are based on tested systems and supporting engineering assessment. Project specific suitability must be confirmed, and any variation requires Specific Engineered Design (SED).

Cladding Systems

A ventilated cavity and cladding or facade system, that complies with the NZBC, must be installed over ENCLOSURE™ Sheathing System. Cladding systems must be designed and installed according to supplier requirements.

Board Layout

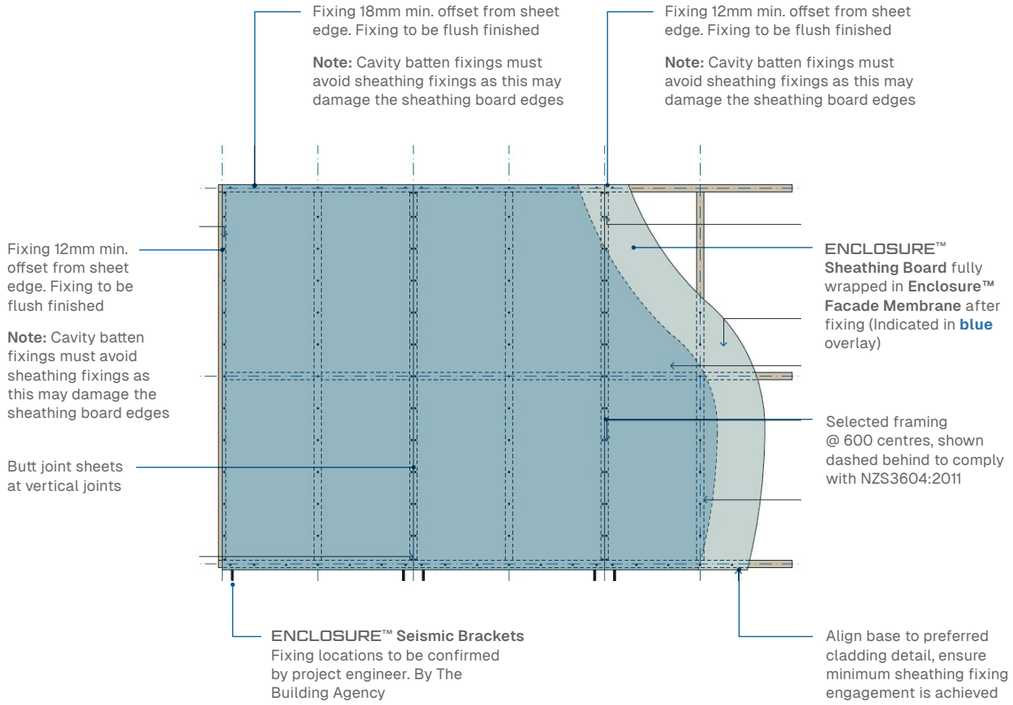
ENCLOSURE™ Sheathing Boards are installed vertically, and boards must be joined on framing. ENCLOSURE™ Sheathing Boards can be installed horizontally, but only when applications are not bracing or fire systems.

Wind Pressures

FRAMING SUBSTRATE	STUD CENTRES (MM)	FIXING CENTRES (MM)	FASTENER SPECIFICATION	TESTED DESIGN PRESSURE (KPA)	SCOPE
Timber	600	200	ENCLOSURE™ 10g x 65mm Timber Fixing	2.31	Tested design pressures are equivalent to wind pressures defined in NZS 3604 up to and including Extra High (EH) wind zones (≤ 10m building height). For steel framing, design shall be in accordance with the relevant structural standard.
	400	150		7*	
Light Gauge Steel	600	200	ENCLOSURE™ 8g x 32mm Steel Fixing	1.75	
	400	150		3.5	

*Testing was limited to a maximum applied pressure of 7 kPa (test equipment limit).

ENCLOSURE™ Sheathing System – Typical Board Layout. Timber Frame Shown.



Note

Cladding, flashings, angles and cavity systems are not included in this system.

Additional framing is required at junction of joinery to cladding types to ensure adequate fixing.

Fixing patterns are dependent on project-specific requirements. Refer to the typical bracing or fire fixing patterns for the correct fixing layouts

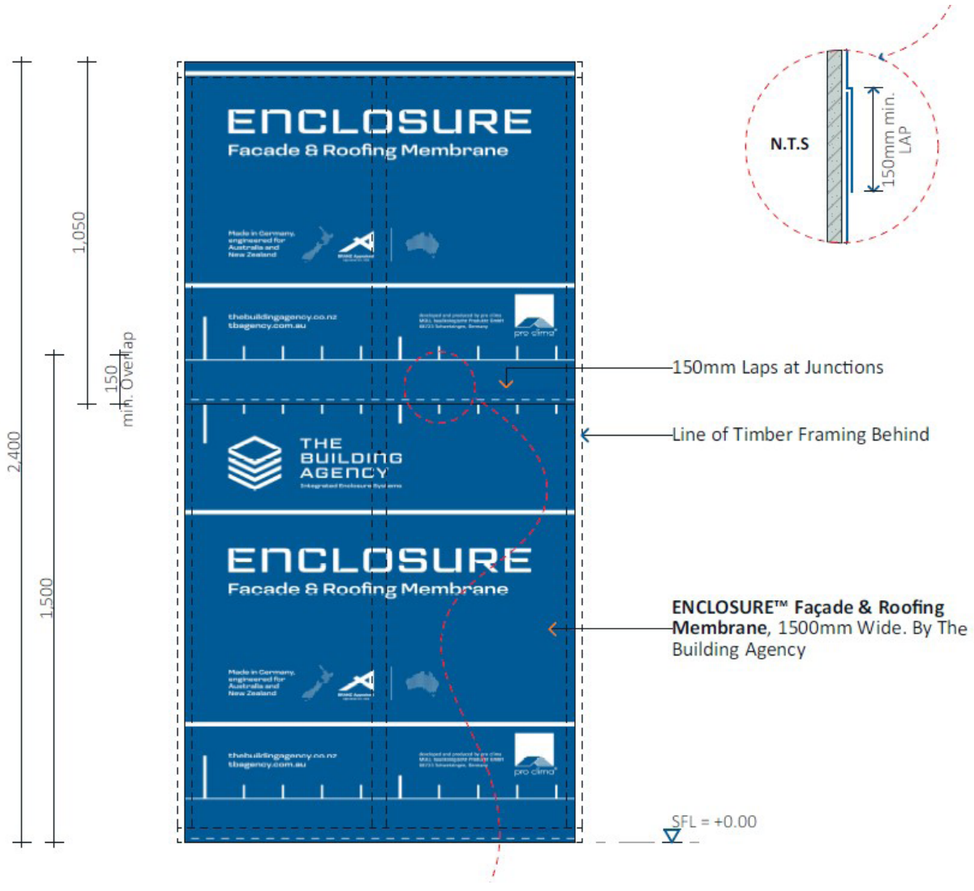
Stud spacing are dependent on dependent on project-specific requirements. Refer to the typical bracing or fire fixing patterns for the correct fixing layouts

Membrane Layout

ENCLOSURE™ Facade & Roofing Membrane, a self-adhered weather-resistive and air-resistive membrane, is installed as a continuous protective layer over all ENCLOSURE™ Sheathing Boards. All joints, terminations, penetrations, and junctions must be sealed in accordance with the system details to maintain continuity of the air and water control layer. Membrane junctions must be overlapped by a minimum of 150mm.

Refer to the Installation Overview section for further information on membrane application. emonstrate compliance with E2/VM1.

ENCLOSURE™ Sheathing System – Typical Membrane Layout.



Fixings

The table below outlines the ENCLOSURE™ Sheathing System fixing specifications for buildings constructed with timber framing within the scope of NZS 3604 or light steel framing within the scope of NASH Light Steel Framed Buildings.

Note; When installed over steel framing, a thermal break is required and must be accounted for with fastener length.

The ENCLOSURE™ Sheathing System is **16.6mm in combined thickness**. The specification of any over cladding system fixings, as well as cavity batten fixings, must accommodate the ENCLOSURE™ Sheathing System and include allowance for any flashing and lapping used during construction.

For projects outside the scope of NZS 3604 or NASH Light Steel Framed Buildings, fixings must be specified as part of SED.

FASTENER	DESCRIPTION	APPLICATION
	ENCLOSURE™ Multi-Purpose F&R-SS Fixing (10g x 65)	Timber Framing
	ENCLOSURE™ Bugle Head Self-Threading Class 3 Fixing (8g x 32)	Light Gauge Steel Framing

Control Joints

Any building design must consider and accommodate movement of the building structure that may affect the performance of the ENCLOSURE™ Sheathing System. ENCLOSURE™ Sheathing System details outline requirements at control joint locations in the building, including horizontal gaps, breaks in cavity battens, and appropriate sealing to meet weathertight performance.

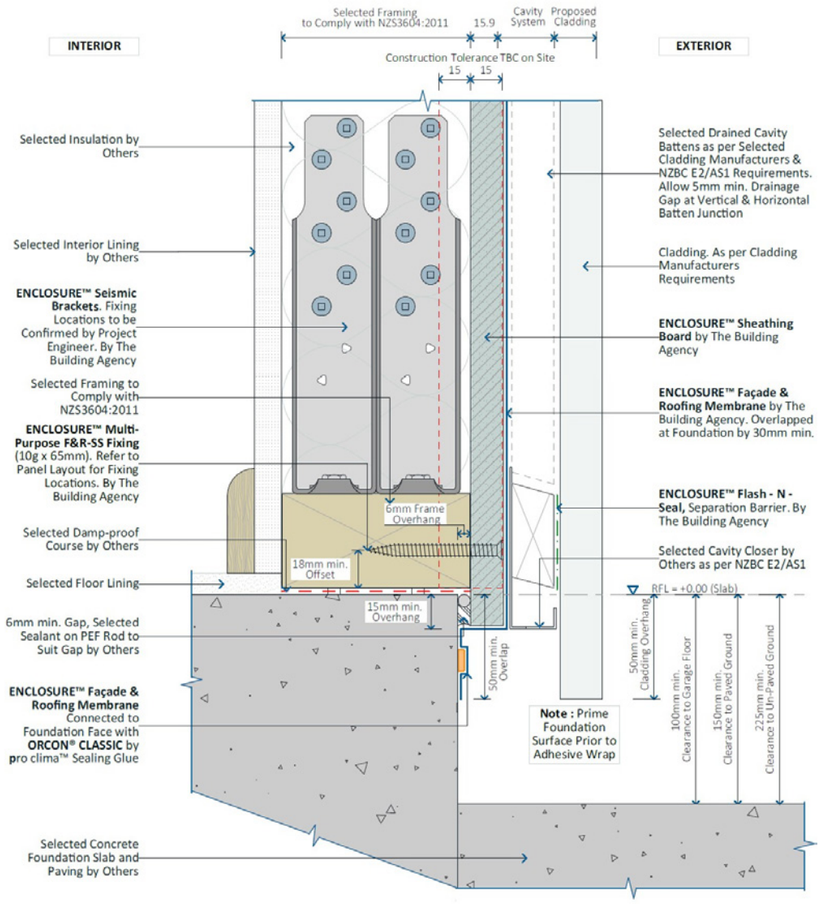
For buildings outside the scope of NZS 3604, control joints, detailing and inter-storey deflection details shall be designed by an engineer.

Foundations

ENCLOSURE™ Sheathing System must extend a minimum of 15mm beyond the face of the concrete foundation.

The ENCLOSURE™ Facade & Roofing Membrane must extend a minimum of 30mm below the sheathing and overlap onto the concrete foundation to maintain continuity of the water resistive layer.

ENCLOSURE™ Sheathing System – Typical Concrete Foundation. Timber Frame Shown.



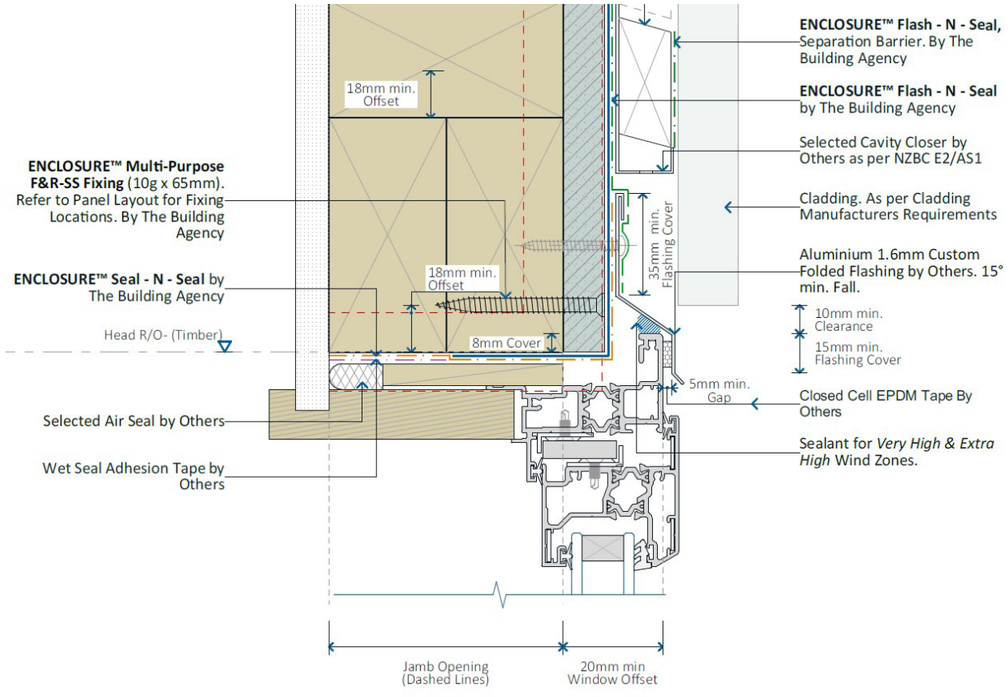
Joinery & Openings

The total thickness of the ENCLOSURE™ Sheathing System must be considered before designing and ordering joinery systems.

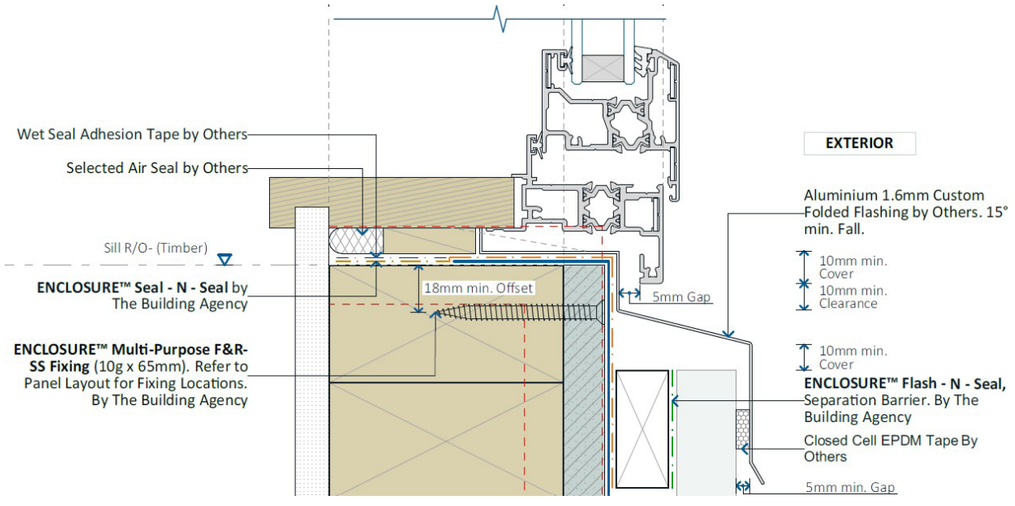
Allow for at least 16.6mm, on top of the finished cladding system stack height and any additional thermal breaks, flashings, lapping, seals and tolerances, in addition to the framing and internal lining.

See appropriate construction details and the installation section for methods of sealing ENCLOSURE™ Sheathing System around windows and openings.

ENCLOSURE™ Sheathing System – Typical Window Head Detail, timber framing.



ENCLOSURE™ Sheathing System – Typical Window Sill Detail, timber framing.

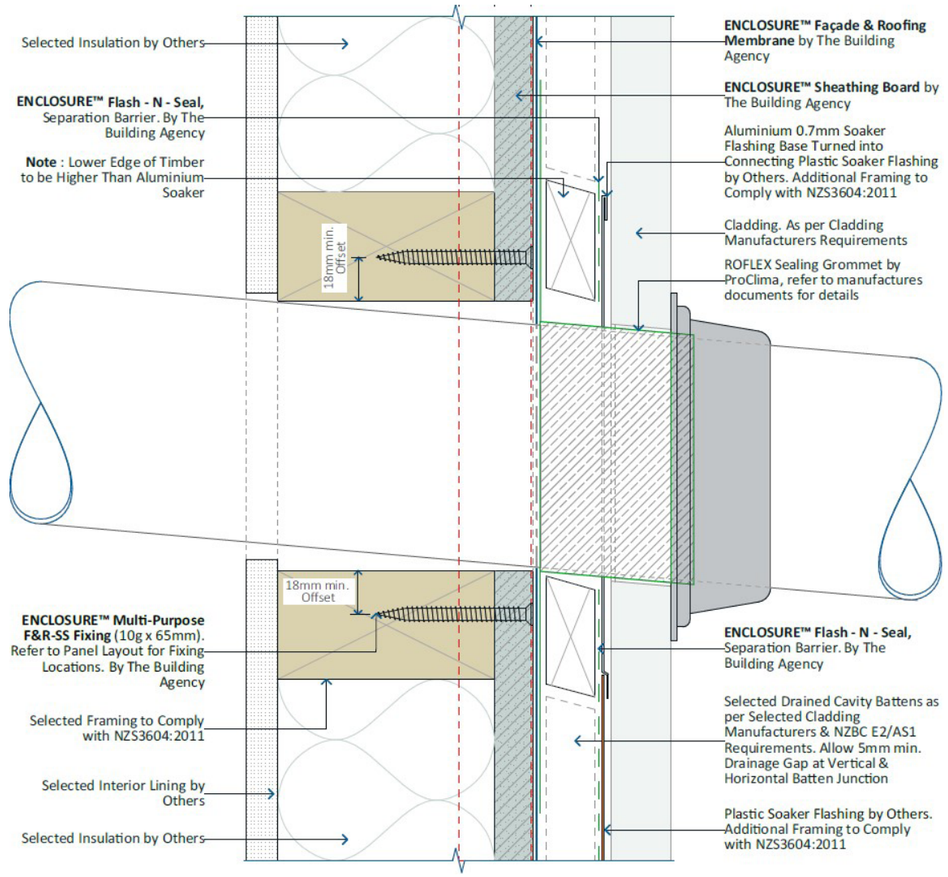


Wall Penetrations

Any service penetrations must be sealed to meet E2/AS1 requirements. Pipe penetrations are required to have a minimum 5° slope to outside and can be flashed with proprietary integrated grommets or flashed to E2 specifications.

Bracing and fire engineering design is required for penetrations through bracing system wall or FFR walls.

ENCLOSURE™ Sheathing System – Typical Pipe Penetration

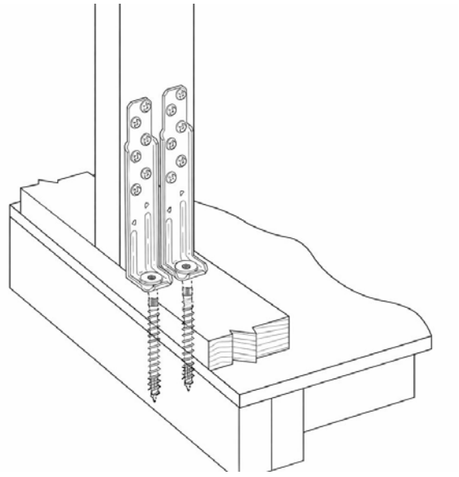


Bracing

Structure

When specifying ENCLOSURE™ Sheathing System for use as a wall bracing element, the following requirements must be met:

- Timber framing shall be constructed in accordance with NZS 3604.
- ENCLOSURE™ Sheathing System boards shall be installed vertically.
- Installation shall be in accordance with the published and tested system details.
- The approved ENCLOSURE™ Seismic Brackets shall be used.



The below table outlines ENCLOSURE™ Sheathing System Bracing calculations.

BRACING SYSTEM			
BRACING ELEMENT LENGTH (M)	0.4	0.6	1.2
WIND (BU/M)	90	117	146
EARTHQUAKE (BU/M)	99	111	123

Installation

Health & Safety

ENCLOSURE™ Sheathing Boards should be handled carefully to avoid injury. Wherever practicable, minimise on-site cutting and use mechanical aids to reduce manual handling strain.

Cutting methods should prioritise low-dust techniques such power tools fitted with appropriate fibre cement blades and extraction where necessary. Good housekeeping practices must be maintained to control dust and prevent trip hazards, and exposure to airborne contaminants must be kept within acceptable limits.

Controls such as scaffolding, edge protection, and dust extraction systems should be implemented, supported by administrative controls including task analysis, restricted work areas, and adherence to manufacturer installation instructions. Appropriate personal protective equipment (PPE) must be worn at all times, including safety glasses, P2 respirators where dust is present, gloves, and safety footwear.

Storage & Handling

All materials and components shall be inspected upon delivery to confirm they are free from damage or defects prior to installation.

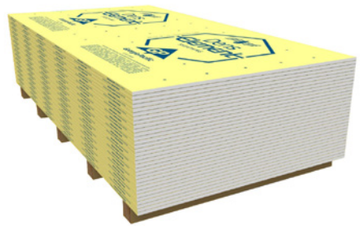
ENCLOSURE™ Sheathing Boards shall be stored in accordance with ENCLOSURE™ Sheathing System Quality Assurance guidelines to maintain condition prior to installation. Materials shall be delivered in original bundles or packaging. Plastic wrapping is intended for temporary protection during transit only and is not suitable for ongoing storage after delivery.

Boards shall be kept dry and stored flat and level on fully supported pallets to prevent sagging and edge damage. Boards shall be kept off the ground and protected from moisture and weather exposure. Stacks shall be stable, limited in height to prevent collapse, and arranged to maintain safe access and handling. Boards should be installed as soon as practicable after delivery.

Boards shall be carried horizontally and supported along their length, with two-person lifting used to reduce manual handling risks. Boards shall not be dragged or dropped, as this may damage the face and affect in-service performance. Care shall be taken when handling in windy conditions due to the sheet size.

ENCLOSURE™ Facade & Roofing Membrane shall be stored in a clean, dry environment, protected from direct sunlight, heat, and physical damage. Rolls shall be stored upright and handled to avoid deformation, edge damage, or contamination prior to installation.

Components & Accessories



ENCLOSURE™ Sheathing Board

ENCLOSURE™ Facade & Roofing Membrane

ENCLOSURE™ Flash-N-Seal Sealing Tape

ENCLOSURE™ Seal-A-Sill Tape

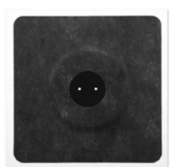
ENCLOSURE™ Multi-Purpose F&R-SS Fixing

ENCLOSURE™ Bugle Head Self-Threading Class 3 Fixing

ENCLOSURE™ Seismic Bracket & Fixings Kit

ENCLOSURE™ F&R Membrane Application Tools

Orcon Classic Sealant (by others)



Roflex & Kaflex Grommets (by others)

Installation Overview

ENCLOSURE™ Sheathing Boards are installed vertically directly to framing. Boards may be installed horizontally where not used as part of a bracing or fire rated system. Installation shall be in accordance with the specified fixings, spacing, and published ENCLOSURE™ Sheathing System details.

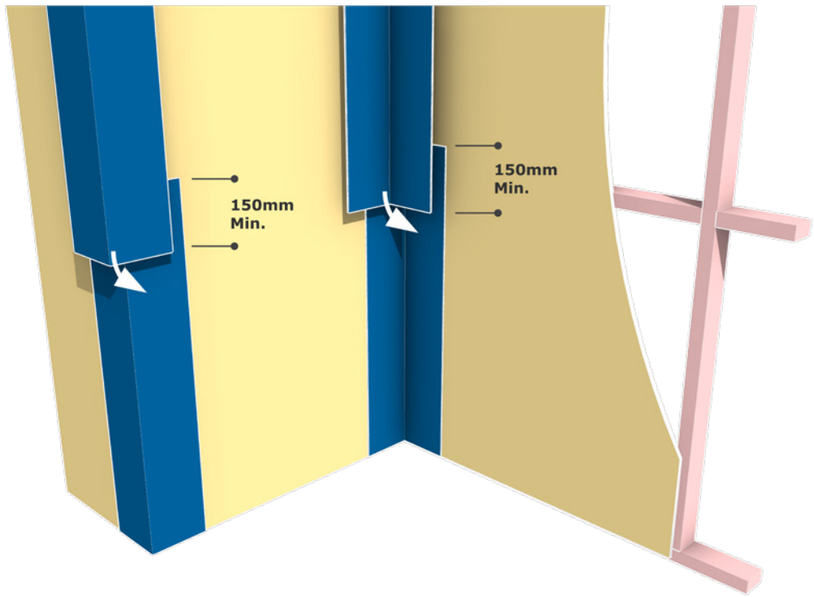
Membrane Application – Standard Wall

Once ENCLOSURE™ Sheathing Boards are fixed in place, the self-adhesive ENCLOSURE™ Facade & Roofing Membrane is applied to fully cover the sheathing surface. All joints, terminations, penetrations, and junctions shall be sealed in accordance with the system details. The below installation steps shall be followed.

Pre-application Checklist

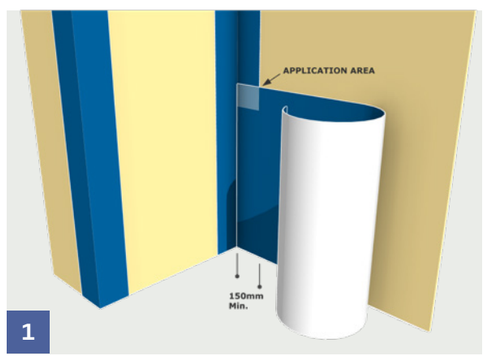
- Check all installed boards to ensure even and free from protrusions/fixings.
- Ensure all accessories are available, including membrane applicator tools.
- Measure walls and plan membrane positions and starting locations.

Corners



Line internal and external corners with 400mm wide strips of membrane. Ensure a minimum 150mm overlap of upper membrane.

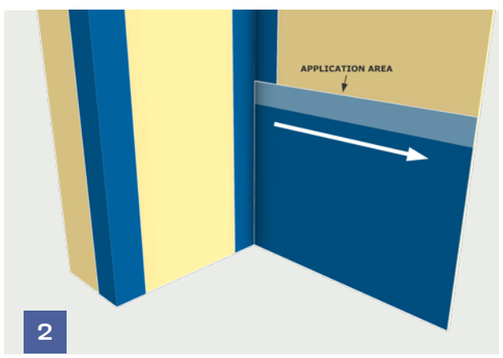
Standard Application



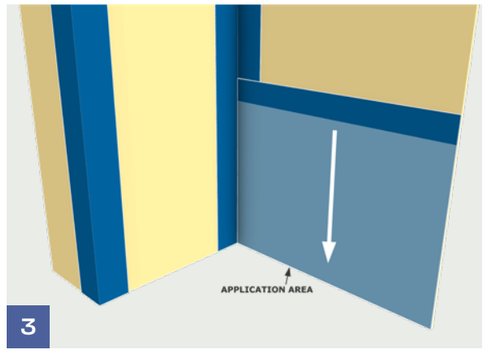
Cut membrane to the required length for the wall. Mark measured height.

Peel off a portion of the 250mm wide application section of release film and apply the membrane, starting at a corner.

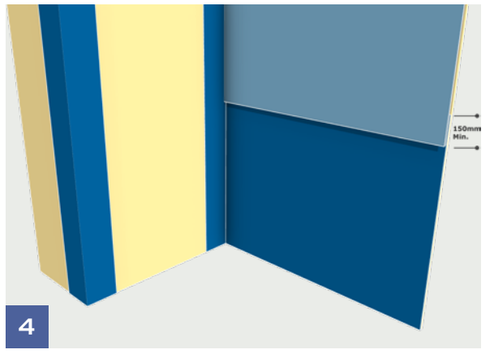
Ensure min. 150mm cover of corner membrane.



Roll out membrane, gradually removing the remaining 250mm application section of the release film, working away from corner. apply the membrane smoothly using ENCLOSURE™ F&R Membrane Application Tool XL.

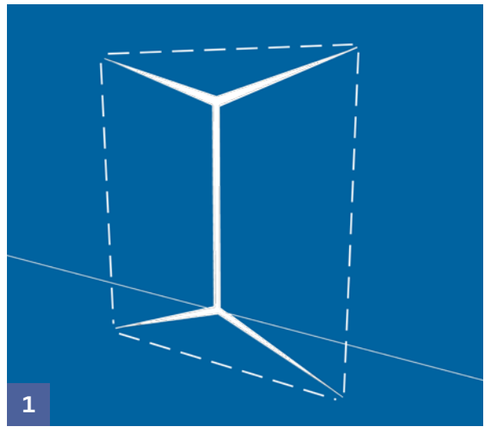


Remove the remaining release film, pulling it downward, and apply the remainder of the membrane. Smooth the membrane using ENCLOSURE™ F&R Membrane Application Tool XL. Ensure the membrane is adhering to sheathing - avoiding bubbles, air, and folds.

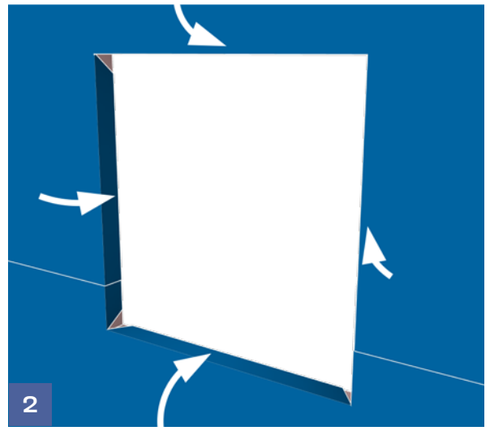


Repeat process for the upper membrane, ensuring min. 150mm lap over bottom membrane.

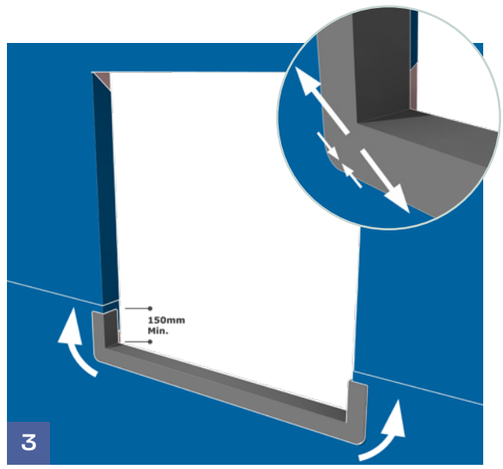
Window Openings



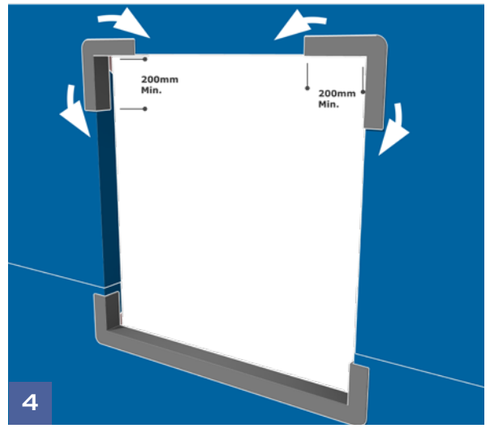
After adhering the membrane over the window opening, cut the membrane, as indicated, making sure not to cut past the opening frame.



Fold all membrane flaps into the reveal & smooth the membrane firmly into place using the ENCLOSURE™ F&R Membrane Application Tool XL.

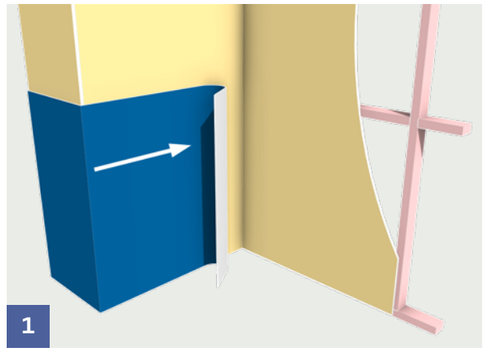


Apply Seal-A-Sill tape the full length of the sill, extending it a minimum 150mm up each jamb. Carefully form the corners from the one-piece Seal-A-Sill tape, assuring no tearing.

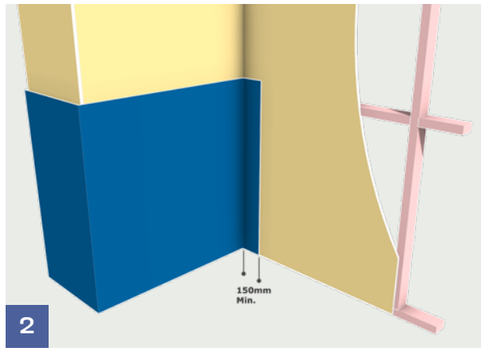


Apply Seal-A-Sill tape to top corners of opening, extending min 200mm in either direction.

Alternative Internal Corner



Internal corners can be formed using continuous membrane.



Ensure the membrane wraps a min. 150 mm beyond corner and is pressed firmly into the corner using ENCLOSURE™ F&R Membrane Application Tool XL.

Other Installation Considerations

- **Foundation** - At concrete foundations, or other rough surfaces, apply a bead of adhesive sealant at a thickness of at least 5mm before applying the membrane. Do not press the adhesive completely flat.
- **Repairs** - Use a segment of Flash-N-Seal tape, or a section of membrane, overlapping onto undamaged membrane by at least 30mm.
- **Cables and Pipes** – Use sealing grommets over cables and pipe and adhere it to the membrane.
- **Fixings and Mounts** – When attaching components to the wall, use a segment of Seal-A-Sill tape, or a section of membrane behind the accessory.

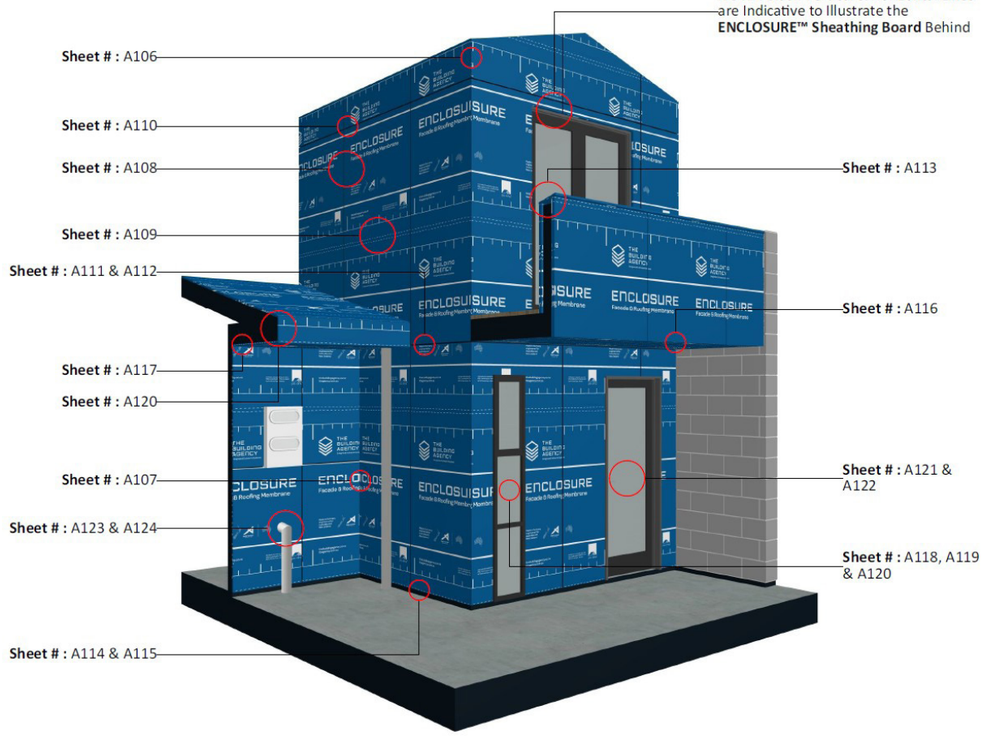
Quality Assurance Process

A project specific Quality Assurance (QA) process is essential to ensure the ENCLOSURE™ Sheathing System is installed in accordance with system requirements and performance expectations. The QA process shall be documented and completed by the installer and relevant project parties and is available via The Building Agency website.

The QA documentation includes verification of storage and handling, pre-start framing checks, installation sequencing, fixing and jointing requirements, membrane application, sealing of penetrations, and final inspection and handover sign-off, including identification and rectification of defects prior to cladding installation.

Construction Details

A range of details including bracing and fire systems can be found on The Building Agency website.



DETAIL NUMBER	DRAWING TITLE
A101	ENCLOSURE™ Sheathing - General Notes
A102	ENCLOSURE™ Sheathing - Wall Application Render
A103	ENCLOSURE™ Sheathing - Typical Sheet Layout
A104	ENCLOSURE™ Sheathing - Typical Sheet Layout
A105	ENCLOSURE™ Sheathing - Typical Sheet Layout
A106	ENCLOSURE™ Sheathing - Typical Membrane Layout
A107	ENCLOSURE™ Cladding - Detail Locator
A108	ENCLOSURE™ Sheathing - External Corner Detail
A109	ENCLOSURE™ Sheathing - Internal Corner Detail
A110	ENCLOSURE™ Sheathing - Vertical Joint Typical Detail
A111	ENCLOSURE™ Sheathing - Vertical Joint: Orientation Change Detail
A112	ENCLOSURE™ Sheathing - Horizontal Joint Typical Detail
A113	ENCLOSURE™ Sheathing - Interstorey Joint
A115	ENCLOSURE™ Sheathing - Parapet Upstand Detail
A116	ENCLOSURE™ Sheathing - G.L Foundation Detail
A117	ENCLOSURE™ Sheathing - G.L Rebated Foundation Detail
A118	ENCLOSURE™ Sheathing - Roof: Wall to Soffit Detail
A119	ENCLOSURE™ Sheathing - Wall to Soffit: Raking Flat Sheet Detail
A120	ENCLOSURE™ Sheathing - Soffit to Barge : Flat Sheet Detail
A121	ENCLOSURE™ Sheathing - Joinery: Window Recessed - Head Detail
A122	ENCLOSURE™ Sheathing - Joinery: Window Recessed - Jamb Detail
A123	ENCLOSURE™ Sheathing - Joinery: Window Recessed - Sill Detail
A124	ENCLOSURE™ Sheathing - Joinery: Door Recessed - Head Detail
A125	ENCLOSURE™ Sheathing - Joinery: Door Recessed - Jamb Detail
A126	ENCLOSURE™ Sheathing - Typical Pipe Penetration Detail
A127	ENCLOSURE™ Sheathing - Large Pipe Penetration Detail
A201	ENCLOSURE™ Sheathing - Bracing Sheet Layout - 400mm
A202	ENCLOSURE™ Sheathing - Bracing Sheet Layout - 600mm
A203	ENCLOSURE™ Sheathing - Bracing Sheet Layout - 1200mm
A204	ENCLOSURE™ Sheathing - ENCLOSURE™ Seismic Brackets
A301	ENCLOSURE™ Sheathing - ENCLOSURE™ FFR 60: Inner Layer - Phase 1
A302	ENCLOSURE™ Sheathing - ENCLOSURE™ FFR 60: Outer Layer - Phase 2
A303	ENCLOSURE™ Sheathing - ENCLOSURE™ FFR 60 Isometric: Phase 1
A304	ENCLOSURE™ Sheathing - ENCLOSURE™ FFR 60 Isometric: Phase 2
A305	ENCLOSURE™ Sheathing - ENCLOSURE™ FFR 90: Inner Layer - Phase 1
A306	ENCLOSURE™ Sheathing - ENCLOSURE™ FFR 90: Outer Layer - Phase 2
A307	ENCLOSURE™ Sheathing - ENCLOSURE™ FFR 90: Membrane Layer - Phase 3
A308	ENCLOSURE™ Sheathing - ENCLOSURE™ FFR 90: Insulation Layer - Phase 4
A309	ENCLOSURE™ Sheathing - ENCLOSURE™ FFR 90 Isometric: Phase 1 & 2
A310	ENCLOSURE™ Sheathing - ENCLOSURE™ FFR 90 Isometric: Phase 3
A311	ENCLOSURE™ Sheathing - ENCLOSURE™ FFR 90 Isometric: Phase 4

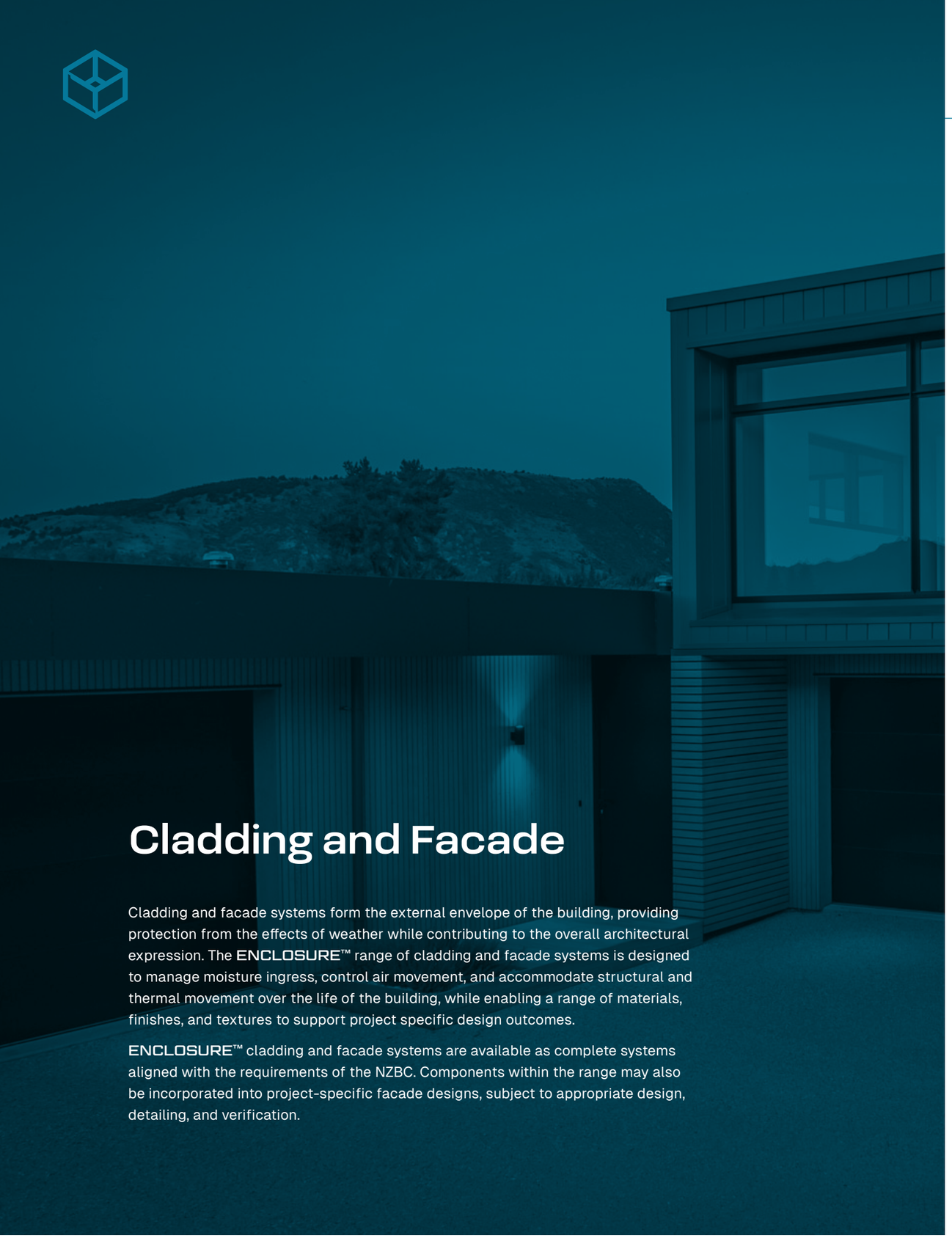
Warranty & Maintenance

The ENCLOSURE™ Sheathing System is a multi-component assembly. Each component is covered by its respective manufacturer warranty, including:

- **Sheathing Board** - The manufacturer provides a limited warranty covering manufacturing defects for a duration of 5 years from date of purchase.
- **Adhesive Membrane** - The manufacturer provides a warranty covering deviations from product specification under normal use conditions for a duration of 10 years from the date of purchase.
- **Fixings and Seismic Brackets** - The manufacturer provides a limited warranty covering defects in materials and manufacturing, subject to correct specification, installation, and use in accordance with manufacturer documentation.

All warranties are subject to manufacturer terms and are contingent on correct storage, handling, design, and installation. Warranties do not cover system design, workmanship, or adjacent materials. Refer to manufacturer documentation for full details.

ENCLOSURE™ Sheathing System, which requires a cladding or facade system over, typically does not require any maintenance. Any damage that occurs prior to installation of the exterior cladding must be repaired or replaced. If the finished cladding installed over the ENCLOSURE™ Sheathing System is damaged, it must be repaired or replaced immediately.



Cladding and Facade

Cladding and facade systems form the external envelope of the building, providing protection from the effects of weather while contributing to the overall architectural expression. The ENCLOSURE™ range of cladding and facade systems is designed to manage moisture ingress, control air movement, and accommodate structural and thermal movement over the life of the building, while enabling a range of materials, finishes, and textures to support project specific design outcomes.

ENCLOSURE™ cladding and facade systems are available as complete systems aligned with the requirements of the NZBC. Components within the range may also be incorporated into project-specific facade designs, subject to appropriate design, detailing, and verification.

ALPOLIC™

Product Overview

ALPOLIC™ Cladding System is a pre-finished cladding and facade system incorporating ALPOLIC™ aluminium composite material (ACM) panels mechanically fixed to the ENCLOSURE™ A&B Anchoring System.

ALPOLIC™ panels feature a factory-applied, high-performance Lumiflon® (FEVE) fluoropolymer coating to the exposed face, providing excellent resistance to weathering, ultraviolet exposure, corrosion, and long-term colour degradation.

ALPOLIC™ Cladding System is well suited to a wide range of architectural expressions with demanding external environments and architectural applications requiring durability and visual consistency over time.

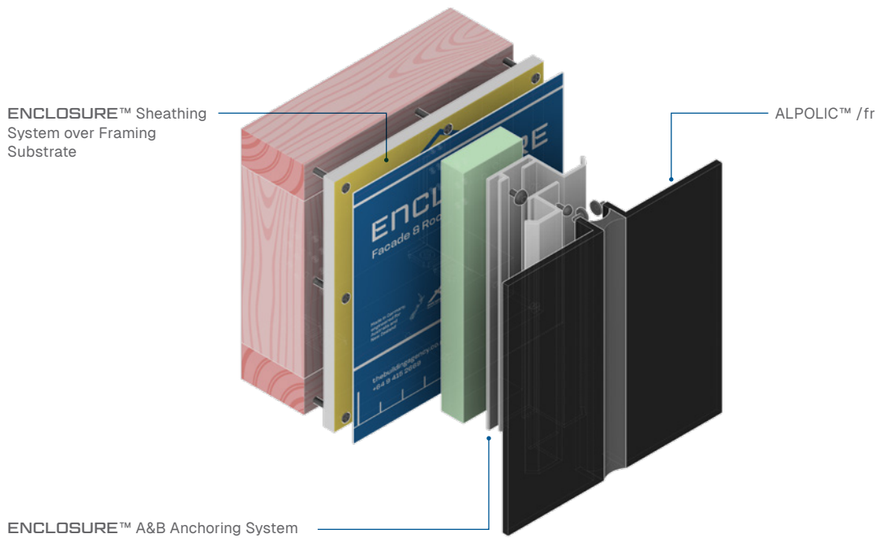
ALPOLIC™ Cladding System is available in two ALPOLIC™ ACM panel options:

ALPOLIC™ /fr

A fire-retardant core ACM panel installed over the ENCLOSURE™ A&B Anchoring System and supported as part of a BRANZ appraised system.

ALPOLIC™ A1/NC

A non-combustible mineral core ACM panel option for use in a Specific Engineered Design (SED).

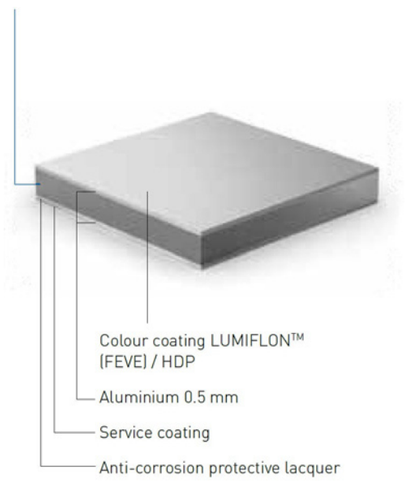


Product Benefits

- Lightweight cladding option.
- Highly rigid & flat panel composition.
- Highly workable being easy to cut, bend, groove and shape (ALPOLIC™ /fr).
- 20-year full replacement warranty.
- Colour uniformity.
- Suitable for fire-rated systems (ALPOLIC™ A1/NC non-combustible core).
- ALPOLIC™ A1/NC is the only aluminium composite material to pass Euroclass A1, the strictest fire protection standard in the world.

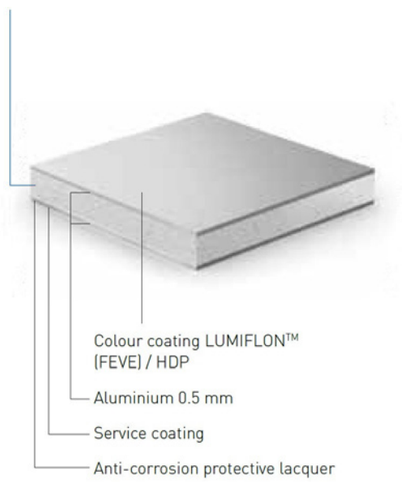
ALPOLIC /fr

Fire-Retardant Core



ALPOLIC A1/NC

Non-Combustible Core



Product Specification

PRODUCT	TOTAL THICKNESS (MM)	ALUMINIUM MATERIAL	CORE MATERIAL	PANEL SIZES (MM)	WEIGHT (KG/M2)	THERMAL CONDUCTIVITY (W/(M.K)
ALPOLIC /fr	4	Aluminium alloy 3105-H14	Fire-retardant core	1575 x 3200, 1575 x 4000	7.6	0.76
ALPOLIC A1/NC	4	Aluminium alloy 3105-H14	Non-combustible core	1575 x 3200, 1575 x 4000	8.6	0.4

Finish

The front face of ALPOLIC™ panels is colour-coated with the high-quality fluoropolymer resin Lumiflon FEVE, making it highly resistant to weathering, UV radiation, corrosion and colour fading. Panels are supplied with a protective film over this face.

The back of the panel is finished with a thin polyester coating (wash coating), giving protection from corrosion.

Colours

ALPOLIC™ Cladding System is available in the following standard colour range.

M9010-G30 (White) | M91701-G30 (Silver Metallic) | MB106-G30 (Dark Grey Metallic) | MJ062-G30 (Black)

Colours are a guideline only. Physical product samples can be provided upon request. ALPOLIC™ has over 200 colours available on indent.

Scope of Use

ALPOLIC™ Cladding System (ALPOLIC™ /fr) has been appraised for use as a drained and ventilated external wall cladding and facade for buildings within the following scope:

- The scope limitations of NZBC Acceptable Solution E2/AS1, Paragraph 1.1 for timber-framed buildings.
- With a risk score of 0-20, calculated in accordance with NZBC Acceptable Solution E2/AS1, Table 2.
- Constructed with timber framing within the scope of NZS 3604; or constructed with light steel framing designed in accordance with NASH Standard Part 2: Light Steel Framed Buildings. Where installed over steel framing, a thermal break must be provided.
- Situated in NZS 3604 Wind Zones up to, and including, Extra High.
- With a building height of ≤ 10 m.
- Located 1m or more from the relevant boundary.
- Where the cavity is drained and ventilated at least at every second-floor level or 10m height, whichever is the lesser.

The Appraisal of ALPOLIC™ Cladding System relies on the joinery meeting the requirements of NZS 4211 for the relevant Wind Zone.

ALPOLIC™ A1/NC is not within the scope of the BRANZ Appraisal. The wall envelope and associated facade system shall be subject to Specific Engineered Design (SED). Inter-storey deflections and movement joints shall be designed to accommodate building, and wind loads without compromising weathertightness.

Responsibilities

This technical literature outlines recommended design and construction practices and is intended as a general reference for typical exterior cladding and facade applications. It is not a substitute for the expertise and responsibility of qualified building professionals in designing projects and carrying out installations, nor does it cover every possible situation. Architects, designers, and engineers remain responsible for confirming that the details provided are suitable for the specific application.

Compliance

The following clauses of the NZBC are applicable to the ALPOLIC™ Cladding System.

Structure - B1

ALPOLIC™ Cladding System meets the requirements of Clause B1.3.1, B1.3.2 and B1.3.4, for the relevant physical conditions of B1.3.3 (a), (f), (h), (j) and (q)].

Durability - B2

ALPOLIC™ Cladding System meets the requirements of B2.3.1 (b) 15 years.

Fire affecting areas beyond the fire source – C3

ALPOLIC™ Cladding System, when incorporated into a tested wall assembly and installed in accordance with this literature, contributes to compliance with NZBC Clause C3.5.

External moisture – E2

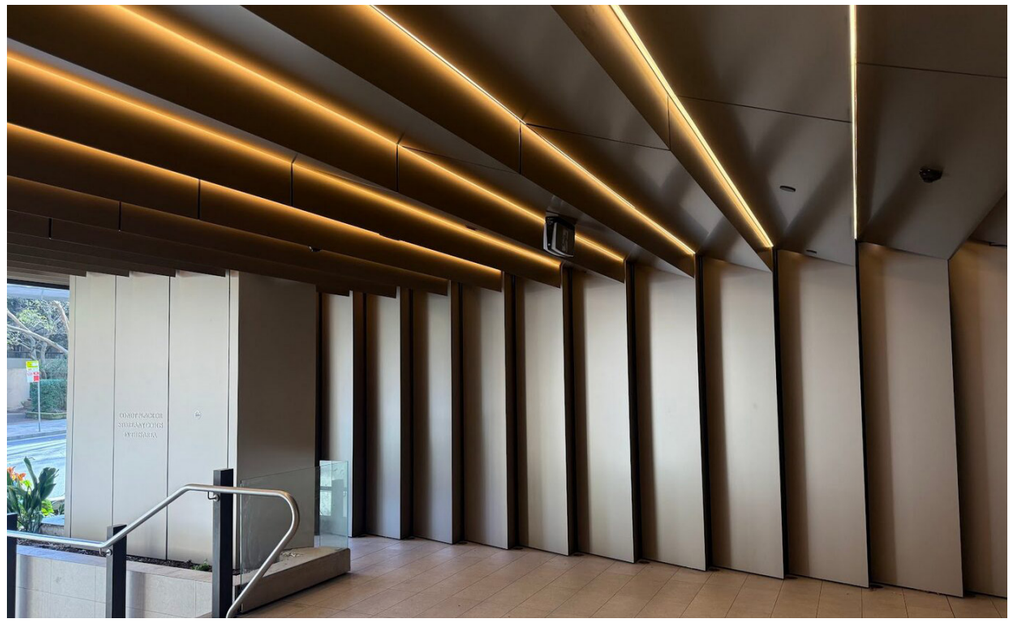
ALPOLIC™ Cladding System, when detailed and installed in accordance with this literature, contributes to compliance with NZBC Clause E2.3.2.

Hazardous building materials - F2

ALPOLIC™ Cladding System complies with the requirements of Clause F2.3.1 and will not present a health hazard when handled as per its technical specifications.

Basis of Compliance

BRANZ Appraised



Sustainability

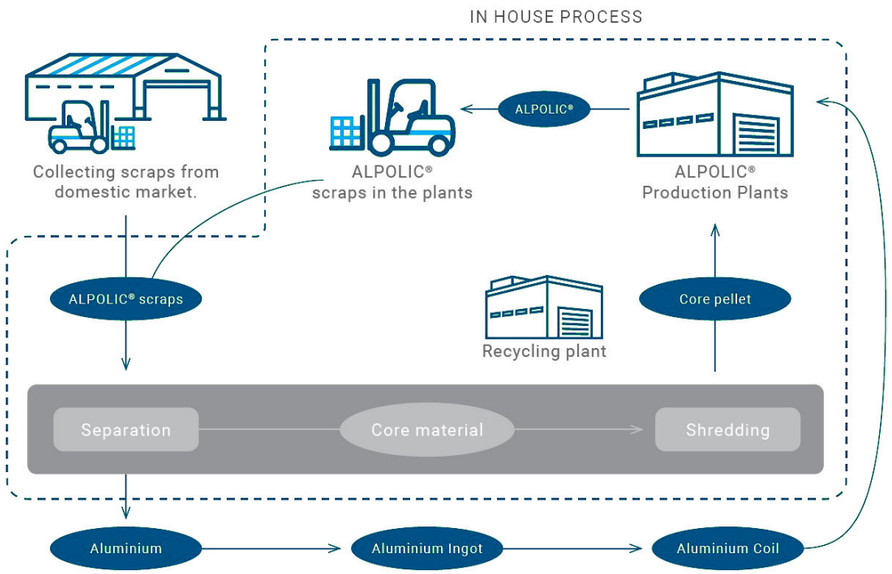
The Building Agency is proud to supply ALPOLIC™ to the New Zealand market, partnering with a manufacturer committed to environmental responsibility and sustainable manufacturing practices. ALPOLIC™ panels are designed with recyclability in mind, with all material components able to be recovered and reused at end of life.

To support this, ALPOLIC™ manufacturing operates purpose-built recycling facilities that process manufacturing off-cuts and production waste. These facilities separate aluminium and core materials for reprocessing back into manufacturing streams, reducing waste and reliance on virgin materials. Recycling operations are established in Japan, the United States, and Germany, with global expansion planned.

ALPOLIC™ A1/NC is supported by a Mitsubishi Environmental Product Declaration (EPD). This EPD provides verified environmental performance data and should be considered when specifying facade systems for new builds or recladding projects where sustainability and environmental performance are key design drivers. The Mitsubishi Australasia EPD is available through The Building Agency website.

AUSTRALASIA EPD®
INTERNATIONAL EPD SYSTEM
SP03725

Heading here



Design Considerations

Structure

ALPOLIC™ Cladding System is designed to resist typical impact loads likely to be encountered in service. As a pre-finished system, panels may be susceptible to damage from hard or sharp impacts. Care shall be taken during handling and installation to avoid surface damage. The likelihood of impact during service shall be considered at the design stage.

Timber Framing

Timber framing shall comply with NZS 3604 or be subject to Specific Engineered Design (SED) in accordance with AS/NZS 1170. Where Specific Engineered Design is required, framing stiffness shall be not less than that required by NZS 3604. Studs shall be provided at maximum 600mm centres. Framing layout shall be designed to ensure full support to all cladding panel edges and joints. Nogs, where required, shall be installed flush between studs.

Durability

ALPOLIC™ Cladding System is designed to achieve a minimum durability of 15 years in accordance with NZBC Clause B2.3.1(b).

At installation, all aluminium componentry shall be isolated from contact with copper based treated timbers (including CCA, ACQ, and copper azole) to prevent adverse reactions.

Prevention From Fire Occurring

ALPOLIC™ Cladding System (ALPOLIC™ /fr) requires separation or protection from heat sources such as fireplaces, heating appliances, flues, and chimneys. Methods for separation and protection of combustible materials from heat sources are provided in Part 7 of NZBC Acceptable Solution C/AS1 and C/AS2.

ALPOLIC™ A1/NC is classified as non-combustible and does not require separation from heat sources such as fireplaces, heating appliances, flues, or chimneys. However, where the system is installed in conjunction with, or fixed to, heat-sensitive materials, those materials must be appropriately separated or protected from heat sources.

Fire Affecting Areas Beyond the Fire Source

Vertical Fire Spread

ALPOLIC™ Cladding System (ALPOLIC™ /fr) is limited to buildings 10m or less in height, and therefore the provisions relating to vertical fire spread on external walls above 10m do not apply.

Where ALPOLIC™ A1/NC is specified, the external wall assembly shall be subject to project specific design and verification to address vertical fire spread in accordance with NZBC C3.2.

Horizontal fire spread

ALPOLIC™ Cladding System (ALPOLIC™ /fr) incorporates materials that are not classified as non-combustible and shall not be relied upon to contribute to a Fire Resistance Rating (FRR) of an external wall.

Where an FRR is required for an external wall, including where located within the relevant boundary distance or where not protected by an automatic sprinkler system in accordance with C/AS1 or C/AS2, ALPOLIC™ A1/NC can be used as part of an external wall assembly that has been designed and verified to achieve the required FRR.

External Moisture

When installed in accordance with this technical literature and the principles of NZBC Acceptable Solution E2/AS1, ALPOLIC™ Cladding System provides a means of managing moisture to prevent water ingress that could result in undue dampness or damage to building elements.

The system incorporates a drained and ventilated cavity to enable the dissipation of moisture present at completion of construction, supporting compliance with NZBC Clause E2.3.6. The cavity shall be separated from roof, inter-floor, and sub-floor spaces in accordance with NZBC Clause E2.3.5.

Project specific weathertightness details developed by the designer are outside the scope of this system and shall be the responsibility of the designer to demonstrate compliance with the NZBC.

Cavity Battens

Cavity battens are not required with ALPOLIC™ Cladding system as a cavity is formed by the anchoring system. The minimum cavity depth is 40mm from anchoring structure to outer face of panel although full stack height is commonly over 50mm.

Wind Pressures

ALPOLIC™ Cladding System may be used for applications with design wind pressures up to 3.6 kPa (ULS), when designed and installed in accordance with project specific engineering and published system requirements.

This rating is supported by facade testing undertaken in accordance with NZS 4284 on a comparable composite aluminium cladding assembly incorporating the ENCLOSURE™ A&B Anchoring System.

Control Joints

Any building design must consider and accommodate movement of the building structure that may affect the performance of ALPOLIC™ Cladding System. ALPOLIC™ Cladding System details outline requirements at control joint locations in the building, including horizontal gaps, and appropriate sealing to meet weathertight performance.

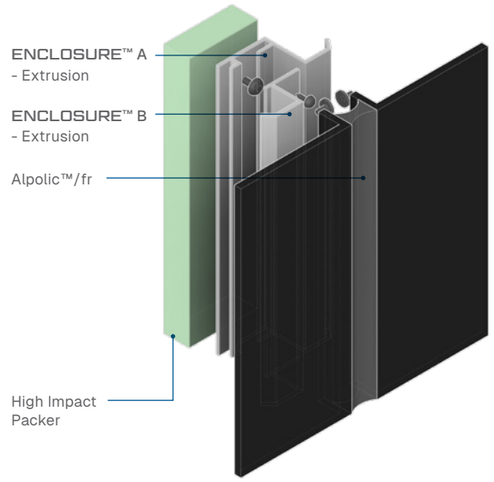
For buildings outside the scope of NZS 3604, control joints, detailing, and inter-storey deflection details must be designed by an engineer.

Junctions & Terminations

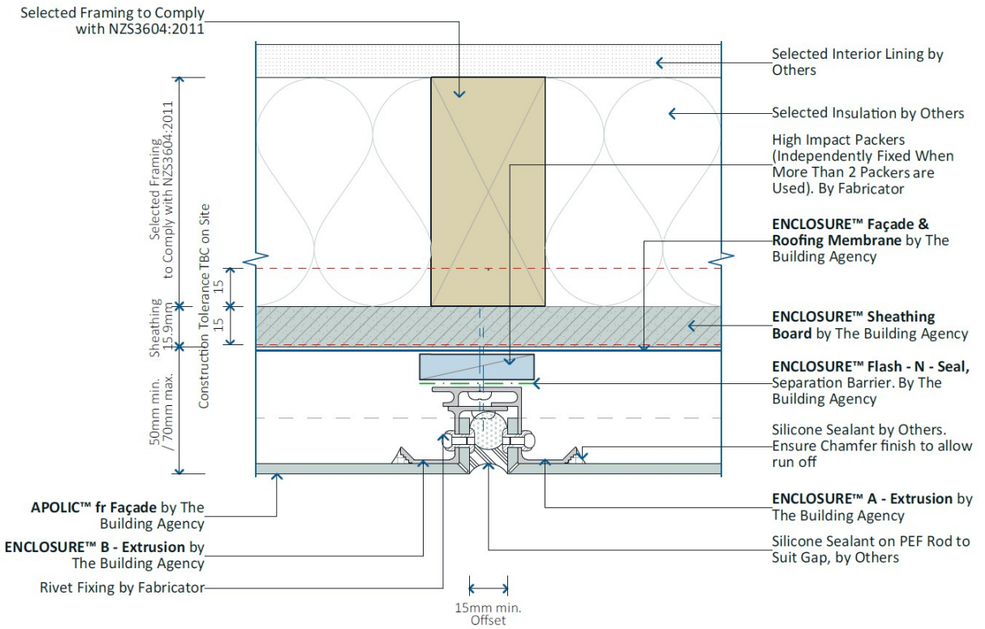
A range of junctions and terminations for corners, soffits, and transitions are detailed in the ALPOLIC™ Cladding System construction detail suite. External corners utilise factory fitted cleats, and some finishes utilise proprietary ENCLOSURE™ accessories as well as custom-formed flashings where required. Refer to the construction details for full requirements.

Anchoring

ALPOLIC™ Cladding System (ALPOLIC™ /fr) uses the proprietary ENCLOSURE™ A&B two-part extruded aluminium anchoring system. ENCLOSURE™ A – Extrusion is fixed to the framing over packers. ENCLOSURE™ B – Extrusion is then fixed to ENCLOSURE™ A – Extrusion. Formed ALPOLIC™ panels are riveted to the extrusions.



ALPOLIC™ Cladding System Vertical Joint Showing ENCLOSURE™ A&B Anchoring (ALPOLIC™ /fr shown)



Panel Layout

ALPOLIC™ Cladding System is a flexible cladding and facade system that enables a wide range of panel layouts, sizes, and visual expressions. Panel geometry, joint configuration, and module dimensions may be varied to suit project-specific design requirements, including expressed joints and negative detailing.

Panel finishing and terminations, joint widths, and fixing methods shall be in accordance with this technical literature and supporting ALPOLIC™ Cladding System details. Any deviations or project-specific variations from these details are outside the scope of this system and shall be the responsibility of the designer to ensure compliance with the NZBC.

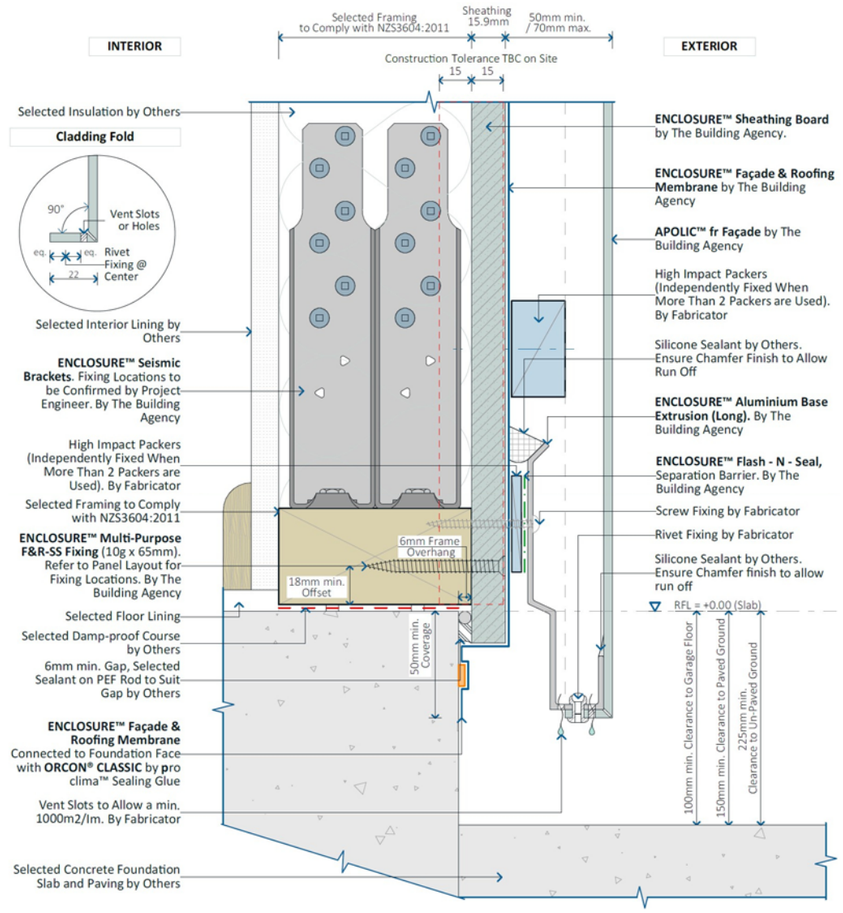
Panel layout should be coordinated with the supporting framing to ensure adequate support to all panel edges and junctions.

Foundations

At ground level, ALPOLIC™ Cladding System shall be installed with a minimum clearance of 100mm above paved surfaces and 175mm above unpaved surfaces, in accordance with NZBC Acceptable Solution E2/AS1.

Ventilation openings shall be provided at the base of the cavity to achieve a minimum of 1000mm² per linear metre, in accordance with E2/AS1.

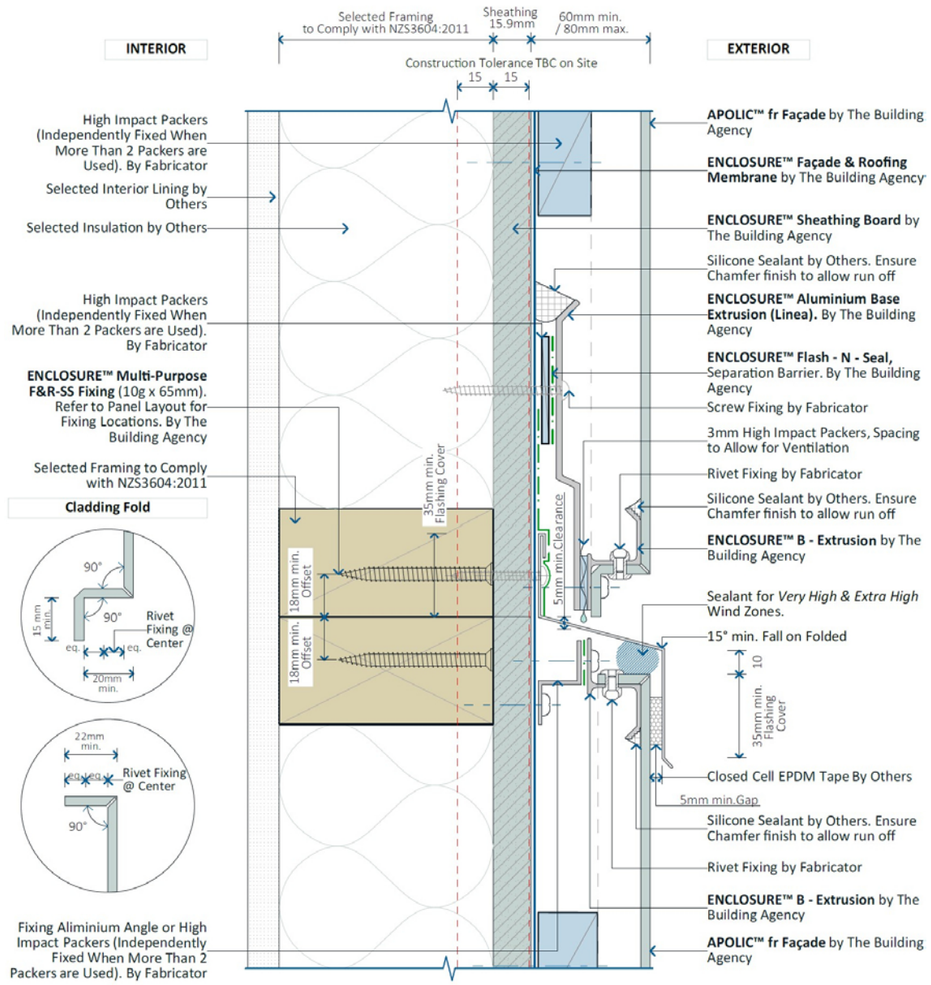
ALPOLIC™ Cladding System Concrete Foundation (ALPOLIC™ /fr shown)



Inter-Storey Junctions

Inter-storey drained joints are required to limit the extent of continuous cavities to a maximum of two storeys or 7m in height, whichever is the lesser, in accordance with E2/AS1.

ALPOLIC™ Cladding System Inter-Storey Junction (ALPOLIC™ /fr shown)



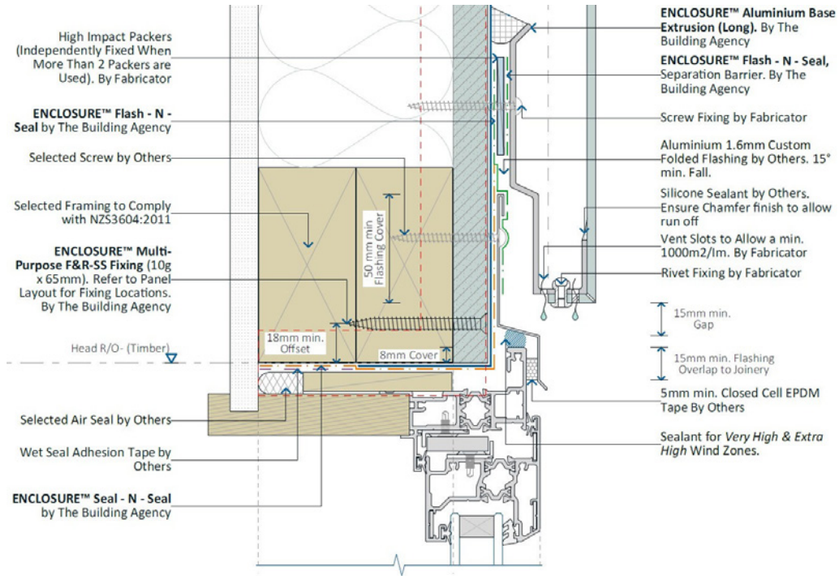
Joinery & Openings

The total thickness of ALPOLIC™ Cladding System must be considered before designing and ordering joinery systems.

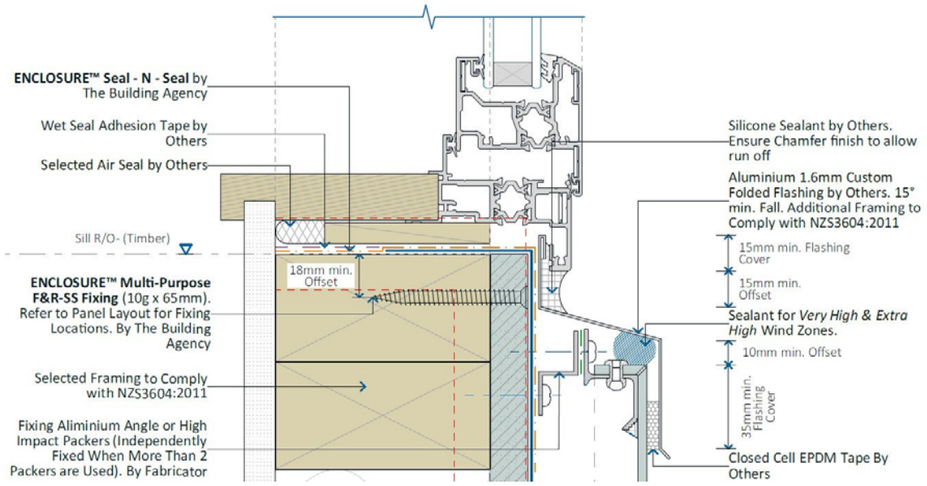
Allow for at least 50mm, on top of any additional rigid air barrier/wrap, thermal breaks, flashings, lapping, seals and tolerances, in addition to the framing and internal lining.

See appropriate construction details for methods of finishing ALPOLIC™ Cladding System at windows and openings.

ALPOLIC™ Cladding System Typical Window Head Detail (ALPOLIC™ /fr shown)



ALPOLIC™ Cladding System Typical Window Sill Detail (ALPOLIC™ /fr shown)



Installation

ALPOLIC™ panels are manufactured as flat panels and fabricated into facade units through cutting, routing, and folding processes. Typical fabrication involves routing (grooving) the rear of the panel to allow controlled folding of the aluminium skins, forming cassette-style panels with returned edges. This process enables the creation of rigid, lightweight panels with defined edge conditions suitable for mechanical fixing over the ENCLOSURE™ A&B Anchoring system.

- ALPOLIC™ Cladding System shall be installed by trained and approved installers.
- Installation shall be carried out in accordance with the ALPOLIC™ Cladding System details and specifications.
- Panels shall be fixed to a supporting substructure using the ENCLOSURE™ A&B Anchoring System. Alternatively, panels may be installed on project-specific substructures subject to a Specific Engineered Design (SED).
- Panels shall be accurately aligned, adequately supported, and installed to accommodate thermal movement.
- All joints, interfaces, and penetrations shall be detailed to maintain weathertightness and durability.
- Installation shall be sequenced to protect panel finishes and maintain system integrity.

Storage & Handling

ALPOLIC™ panels are a pre-finished architectural product and shall be handled and stored with care at all stages to prevent surface damage, distortion, or contamination. Panels shall remain in their original packaging where possible and be protected from moisture, dirt, and direct sunlight.

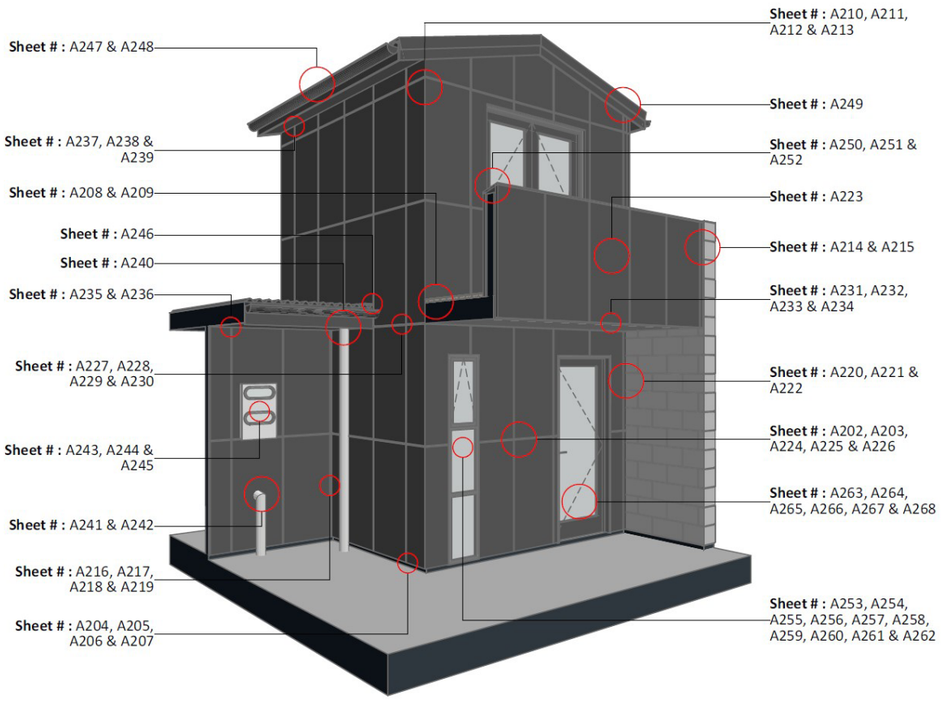
Panels shall be stored flat, on level supports, and without interleaving materials, with only panels of the same size stacked together. Prolonged storage (greater than six months) should be avoided.

During handling and transport, panels shall be lifted (not slid) using appropriate methods (e.g. vacuum lifters or multiple persons) to avoid scratching or edge damage. Care shall be taken to prevent contact with abrasive materials or incompatible metals that may cause surface marking or corrosion.

Prior to fabrication or installation, panels should be stored in a clean, dry, temperature-controlled environment to stabilise the material and maintain finish quality.

Construction Details

The full range of ALPOLIC™ Cladding System construction details can be found on The Building Agency website.



DETAIL NUMBER	DRAWING TITLE
B101	Alpolic™ General Notes
B102	Alpolic™ Accessory Schedule – Trims Profile, Typical Assemblies
B103	Alpolic™ Fixing Schedule
B201	Alpolic™ Cladding – Detail Locator
B202	Alpolic™ Cladding – Vertical Sheet Joint Typical Detail
B203	Alpolic™ Cladding – Horizontal Sheet Joint Typical Detail
B204	Alpolic™ Cladding – G.I Foundation Detail
B205	Alpolic™ Cladding – External Corner Detail
B206	Alpolic™ Cladding – External Corner: Junction To Blockwork
B207	Alpolic™ Cladding – Internal Corner Detail
B208	Alpolic™ Cladding – Internal Corner: Alternative Cladding Junction
B209	Alpolic™ Cladding – Internal Corner: Alternative Cladding Junction
B210	Alpolic™ Cladding – Internal Corner: Junction To Blockwork
B211	Alpolic™ Cladding – Vertical Joint: Orientation Change Detail
B212	Alpolic™ Cladding – Horizontal Joint Typical Detail
B213	Alpolic™ Cladding – Horizontal Joint Typical Detail
B214	Alpolic™ Cladding – Horizontal Joint: Junction To Brick
B215	Alpolic™ Cladding – Inter-Storey Joint
B216	Alpolic™ Cladding – Solid Aluminium Fascia To Soffit Detail
B217	Alpolic™ Cladding – Solid Aluminium Fascia To Soffit Drip Edge Detail
B218	Alpolic™ Cladding – Solid Aluminium Fascia To Soffit Flush Joint Detail
B219	Alpolic™ Cladding – Blw Wall To Soffit: Flat Sheet Detail
B220	Alpolic™ Cladding – Blw Wall To Soffit: Flat Sheet Alt. Detail
B221	Alpolic™ Cladding – Blw Wall To Soffit: Raking Flat Sheet Detail
B222	Alpolic™ Cladding – Blw Wall To Soffit: Raking Silicon Joint Detail
B223	Alpolic™ Cladding – Blw Wall To Soffit: Downpipe Penetration Detail
B224	Alpolic™ Cladding – Roof: Parapet Low Wind Zone Detail
B225	Alpolic™ Cladding – Roof: Parapet High Wind Zone Detail
B226	Alpolic™ Cladding – Roof: Parapet Upstand Panel Joint Detail
B227	Alpolic™ Cladding – Joinery: Window – Head Detail
B228	Alpolic™ Cladding – Joinery: Window – Jamb Detail
B229	Alpolic™ Cladding – Joinery: Window – Alternative Jamb Detail
B230	Alpolic™ Cladding – Joinery: Window – Sill Detail
B231	Alpolic™ Cladding – Joinery: Window – Head Detail
B232	Alpolic™ Cladding – Joinery: Window – Jamb Detail
B233	Alpolic™ Cladding – Joinery: Window – Sill Detail
B234	Alpolic™ Cladding – Joinery: Window – Head Flashing Detail
B235	Alpolic™ Cladding – Joinery: Window – Jamb Detail
B236	Alpolic™ Cladding – Joinery: Window – Sill Flashing Detail

Warranty

ALPOLIC™ panels are supplied with manufacturer warranties covering material performance and coating durability, typically for a period of up to 20 years, subject to project-specific terms and conditions. Warranty coverage is contingent on correct handling, fabrication, and installation by an approved installer.

Refer to the warranty documentation available on The Building Agency website for full terms and conditions.

Cleaning & Maintenance

ALPOLIC™ factory-applied finishes are designed to provide long-term performance without the need for routine maintenance to retain their protective properties. Periodic cleaning may be undertaken for aesthetic purposes only and does not form part of the warranty requirement.

Cleaning frequency will depend on environmental conditions, with more frequent cleaning recommended in coastal, industrial, or low rainfall environments.

Cleaning shall be carried out using clean water, soft cloths or sponges, and non-abrasive methods. Mild detergents or suitable solvents (e.g. isopropyl alcohol or ethanol) may be used where required. Surfaces shall be thoroughly rinsed with clean water following cleaning.

Abrasive materials, strong solvents, acids, alkalis, or aggressive cleaning methods shall not be used, as these may damage the surface finish.

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