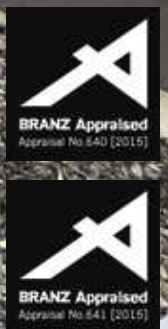


INNOVAFIBRECEMENT.CO.NZ



NULINE+PLUS

WEATHERBOARD



INTRODUCING INNOVA™

INNOVA™ IS A RANGE OF INTERIOR LINING, EXTERIOR FACADE AND FLOORING PRODUCTS WHICH GIVE A NEW DIMENSION TO THE FIBRE CEMENT PRODUCT RANGE. THE PRODUCTS WITHIN THE INNOVA™ RANGE HAVE BEEN DESIGNED TO INSPIRE YOU TO CREATE INNOVATIVE AND DYNAMIC DESIGNS WITHIN YOUR BUILDING OR RENOVATION PROJECT.

NULINE™ PLUS IS A WEATHER-BOARD STYLE CLADDING SYSTEM THAT LOOKS LIKE REAL TIMBER. NULINE™ PLUS IS AN EVOLUTION FROM THE POPULAR NULINE™ WEATHERBOARDS.

THE NULINE™ PLUS WEATHERBOARD EXTERIOR CLADDING SYSTEM:

- / JOINS USING A TONGUE AND GROOVE SYSTEM GIVING A CONSISTENT AND SEAMLESS JOINT THROUGHOUT THE PROJECT
- / FEATURES A SLIGHT BEVEL ON THE BACK OF THE PLANK ALLOWING A 25MM BEARING FACE ON THE STUD GIVING SUPERIOR FIXING AND NAILING
- / FACTORY SEALED AND PRIMED, READY FOR PAINTING
- / QUICK AND SIMPLE TO INSTALL USING MANUAL NAILING, GUN NAILING OR SCREW FIXING
- / WILL NOT ROT OR DECAY AND IS HIGHLY DURABLE
- / BRANZ APPRAISED NO 640 AND 641 (2015)
- / CAN ACHIEVE BOTH 30 AND 60MIN FIRE RATING



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PRODUCT DESCRIPTION

Nuline™ Plus is an evolution on the original Nuline™ product which has been on the market for many years. Nuline™ Plus has enhanced features which ensure that your project is completed with as much ease and perfection as possible.

Nuline™ Plus features a tongue and groove joining system. The tongue and groove method of joining ensures that a more consistent joint is achieved and gives enhanced weather proofing.

Another new feature on Nuline™ Plus is the bevel on the top edge on the back of each plank. This new bevel allows the weatherboard to have a 25mm bearing face on the stud giving superior fixing and nailing.

Nuline™ Plus is not subject to timber rot or decay and will not support combustion. The result is a safer, more durable cladding that requires minimum maintenance.

ADVANTAGES

- / Tongue and groove joining gives consistent joints
- / Superior fixing and nailing due to bevel on back of weatherboard
- / Quick and easy to cut, handle and install
- / Acrylic sealed and primed, ready for painting
- / Durable and low maintenance
- / Nuline™ Plus has been Appraised by BRANZ for both Direct fixed and Cavity construction – Appraisal 640 and 641 (2015)
- / Nuline™ Plus can achieve a 60min FRR

For copies of the BRANZ Appraisals or full system details please contact Innova Fibre Cement (NZ), www.innovafibreco.com.co.nz or www.branz.co.nz.

ENERGY EFFICIENCY CONSIDERATIONS

Energy Efficiency requirements for both residential and commercial buildings are a requirement under clause H1 of the New Zealand Building Code (NZBC). Thermal heat transfer into and out of the building envelope will affect the running cost of the building and careful consideration of thermal heat transfer needs to be addressed by the architects, engineers and building designers. Thermal bridging through steel framing will diminish the total R-Value; thermal conductance, of the wall. Thermal breaks are required for steel framed buildings. Guidance on insulation requirements can be found in the latest edition of BRANZ publication – ‘House Insulation Guide’.

PRODUCT INFORMATION

Nuline™ Plus is manufactured from Portland cement, finely ground silica, cellulose fibres and water. Planks are cured in a high-pressure steam autoclave to create a durable, dimensionally stable product.

Nuline™ Plus is manufactured to conform to the requirements of AS2908.2 Cellulose-Cement Products and are classified as Type A Category 3 for external use.

CONTROL OF EXTERNAL FIRE SPREAD

Nuline™ Plus weatherboard has a peak heat release rate of less than 100kW/m² and a total heat released of less than 25MJ/m². In accordance with NZBC Acceptable Solution C/AS1 Table 5.1 the system is suitable for use on buildings with a SH Risk Group classification, at any distance to the relevant boundary. Refer to NZBC Acceptable Solutions C/AS2 – C/AS6 Paragraph 5.8.1 for the specific exterior surface finishes requirements for other building Risk Groups.

PREVENTION OF FIRE OCCURRING

Separation or protection must be provided to the Nuline™ Plus weatherboard cladding system from heat sources such as fire places, heating appliances, flues and chimneys. Part 7 of the NZBA Acceptable Solutions C/AS1 – C/AS6 and NZBC Verification Method C/VM1 provide methods for separation and protection of combustible material from heat sources.

FIRE RESISTANCE RATING

30 Minute FRR is achieved when Nuline™ Plus is installed as per the below for either direct fixed or cavity construction.

Fixed as per details contained within this brochure.

Timber Framing: Minimum 90mm x 45mm framing in accordance with NZS3604. Studs at maximum 600mm centres. Noggins at maximum 800mm centres. Double or staggered studs may be used.

Interior lining: 10mm or 13mm GIB® Fyrelite fixed as per Winstone Wallboards Ltd specification GBTL 30 system from GIB® Fire Rated Systems October 2012.

Insulation: Any R2.2 nominal 95mm thickness fibre glass insulation.

Nuline™ Plus can achieve a 60 minute FRR. Please contact Innova Fibre Cement or www.innovafibreco.com.co.nz for full system details.

PLANK SIZES AND MASS

Nuline™ Plus is available in the following.

THICKNESS mm	WEIGHT kg/m	WIDTH mm	LENGTH mm
14	3.54	150 Smooth	4200
	4.13	175 Smooth	4200
	4.83	205 Smooth	4200

PLANK TOLERANCES

- / Width +0/-1 mm
- / Length +0/-2 mm
- / Thickness +10%/-0%
- / Diagonals difference (max) 2 mm
- / Edge straightness deviation (max) 1 mm

PROFILE



SQUARE

ARCHITECTURAL DETAILS

Full architectural details are available from Innova Fibre Cement, www.innovafibreceement.com.au or on Productspec and full specification is available on Smartspec.

The designer should determine the wind pressures for the project and design accordingly.

Nuline™ Plus can be situated in specific design wind pressures up to a maximum design differential ultimate limit state (ULS) of 2.5kPa when used over a drained cavity.

HEALTH AND SAFETY

Nuline™ Plus is manufactured from cellulose fibre, finely ground sand, Portland cement and additives. As manufactured, the product will not release airborne dust, but during drilling, cutting and sanding operations cellulose fibres, silica and calcium silicate dust may be released.

Breathing in fine silica dust is hazardous and prolonged exposure (usually over several years) may cause bronchitis, silicosis or cancer.

AVOID DUST INHALATION

When cutting planks, work in a well ventilated area and use the methods recommended in this literature to minimise dust generation. If using power tools wear an approved (P1 or P2) dust mask and safety glasses.

These precautions are not necessary when stacking, unloading or handling fibre cement products.

For further information or a Material Safety Data Sheet contact the nearest Innova Sales Office or go to www.innovafibreceement.com.au

HANDLING AND STORAGE

Nuline™ Plus must be stacked flat, up off the ground and supported on equally spaced (max 300mm) level gluts.

Planks must be kept dry. When stored outdoors it must be protected from the weather. Care should be taken to avoid damage to the ends, edges and surfaces. Planks must be dry prior to fixing, jointing or finishing.

COASTAL AREAS

As per the requirements of NZS3604 Stainless Steel (min 304) fixings and corner soakers must be used in the Seaspray Zone.

CUTTING AND DRILLING

Nuline™ Plus may be cut to size on site. If using power tools for cutting, drilling or sanding they must be fitted with appropriate dust collection devices or alternatively an approved (P1 or P2) dust mask and safety glasses shall be worn. It is recommended that work always be carried out in a well ventilated location.

The most suitable cutting methods are:

/ DURABLADE

180mm Diameter.

This unique cutting blade is ideal for cutting fibre cement. It can be fitted to a 185mm circular saw, ie Makita or similar. Please ensure safe working practices when using. Also available in 250mm and 300mm.

/ NOTCHING

Notches can be made by cutting the two sides of the notch. Score along the back edge then snap upwards to remove the notch.

/ DRILLING

Use normal high-speed masonry drill bits. Do not use the drill's hammer function. For small round holes, the use of a hole-saw is recommended. For small rectangular or circular penetrations, drill a series of small holes around the perimeter of the cut out. Tap out the waste piece from the sheet face while supporting the underside of the opening to avoid damage. Clean rough edges with a rasp.

Large rectangular openings are formed by deeply scoring the perimeter of the opening. Next, form a hole in the centre of the opening (refer method above) then saw cut from the hole to the corners of the opening. Snap out the four triangular segments. Clean rough edges with a rasp.

ACCESSORIES

INTERNAL ALUMINIUM CORNER (ALSO AVAILABLE IN 135°)	3000mm	
EXTERNAL ALUMINIUM CORNER	3000mm	
VENT STRIP (CAN USE CAVITY CLOSER / CANT STRIP PRODUCTS)	2700mm	
EXTERNAL CORNER SOAKERS (ALSO AVAILABLE IN 135°)	150mm/175mm/205mm	
EDGE SEALER		
PRECUT SCRIBERS	150mm/175mm/205mm 40 x 18 x 5400mm	

ACCESSORIES SUPPLIED BY BUILDING MERCHANT

CAVITY TIMBER BATTEN H3.1	20 x 50mm	
CAVIBAT CAVITY BATTEN	20 x 45mm	
ADHESIVE SEALANT	Bostik Seal 'n' Flex FC or similar BRANZ Appraised adhesive sealant	
SEALANT	Bostik Safetech Safe Seal or any BRANZ Appraised paintable sealant	
TIMBER BOX CORNERS, FACING AND SILLS		

FASTENERS

We recommend that Nuline™ Plus is installed with the face nailing method ie nailed either 20mm (through both planks) or 35mm (through top plank only) from the bottom of the plank. The face nail will need to be predrilled with a 3mm hole prior to nailing.

Nuline™ Plus can be tacked in place with a concealed nail and the exposed nail installed when wall or area is fully installed.

Fasteners must not be placed closer than 20mm from the plank edge or 50mm from the plank ends (this can be reduced to 20mm with predrilling).

Nuline™ Plus can be installed either Direct Fixed or on a cavity - refer to Direct Fixed or Cavity Construction section.

When installed on a cavity, Nuline™ Plus can be fixed 2 ways - either on non-structural cavity battens or on structural cavity battens - see table below for the correct fixing types.

Nuline™ Plus must be fixed at max. 800mm centres to the studs or cavity battens for both top and bottom fixings.

TABLE 1: FIXING OPTIONS – NULINE™ PLUS CAVITY CLADDING SYSTEM*

BATTEN TYPE	BATTEN FIXINGS	CONCEALED BOARD FIXING (TOP)	FACE NAIL FIXING (BOTTOM)
STRUCTURAL CAVITY BATTENS	65 x 2.87 mm Paslode RounDrive ring-shank galvanised nails or 60 x 2.8 mm hot-dip galvanised jolt-head nails	50 x 2.87 mm Paslode hot-dip galvanised ring-shank D-head gun nails or 50 x 2.8 mm hot-dip galvanised or stainless steel ring-shank, flat-head nails	60 x 3.15 mm hot-dip galvanised or stainless steel ring-shank, jolt-head nails
NON - STRUCTURAL CAVITY BATTENS	**40 x 2.8 mm hot-dip galvanised flat-head nails	65 x 2.87 mm Paslode hot-dip galvanised ring-shank D-head gun nails or 60 x 2.8 mm hot-dip galvanised or stainless steel ring-shank, flat-head nails	75 x 3.15 mm hot-dip galvanised or stainless steel ring-shank, jolt-head nails

* Suitable for differential wind pressures up to 2.5kPa

** There is no specific nail size specified in E2/AS1 for fixing non-structural cavity battens to the framing. This nail size is suggested to temporarily fix the batten in position until the cladding is fixed.

TABLE 2: FIXING OPTIONS – NULINE™ PLUS DIRECT FIXED CLADDING SYSTEM*

CONCEALED BOARD FIXING (TOP)	FACE NAIL FIXING (BOTTOM)
50 x 2.87 mm Paslode hot-dip galvanised ring-shank D-head gun nails or 50 x 2.8 mm hot-dip galvanised or stainless steel ring-shank, flat-head nails	60 x 3.15 mm hot-dip galvanised or stainless steel ring-shank, jolt-head nails

* Note: Direct fixed cladding limited to Very High Wind Zone

CONSTRUCTION DETAILS

FRAMING

Timber wall framing behind the Nuline™ Plus cavity system must be treated as required by NZBC Acceptable Solution B2/AS1. Timber Framing must comply with NZS3604 for buildings within the scope of NZS3604. Building outside the scope of NZS3604 must be a specific design in accordance with NZS3603 and AS/NZS 1170.

TIMBER FRAMING SET OUT

In all cases studs must be at maximum 600mm centres. Dwangs/Nogs must be fitted flush between the studs at maximum 800mm centres.

Timber wall framing and cavity battens must have maximum moisture content of 24% before Nuline™ Plus is installed and 18% before painting.

DIRECT FIXED OR CAVITY CONSTRUCTION

For Buildings with a risk score of 12 or less (as per NZBC Acceptable Solution E2/AS1 – Tables 2 and 3) Nuline™ Plus can be direct fixed.

For Buildings with a risk score of greater than 12 (as per NZBC Acceptable Solution E2/AS1 – Tables 2 and 3) Nuline™ Plus will need to be constructed on a 20mm drained cavity.

WALL UNDERLAY

A BRANZ appraised flexible wall underlay must be installed as per manufacturer's installation instructions and E2/AS1. Refer to E2/AS1 for the correct type of wall underlay to suit the application.

For construction in the extra high wind zone and specifically designed buildings up to a 2.5kPa design differential ULS wind pressure a Rigid Sheathing/Air Barrier must be installed – ie Durabarrier™.

Unlined gables and walls must incorporate a rigid sheathing/air barrier ie Durabarrier™ – refer to the Durabarrier™ brochure for installation instruction.

FLASHINGS

Flashings for all openings, corners, windows, meter boxes etc must be installed prior to the fixing of Nuline™ Plus. Refer to the architectural details for recommended flashings. Also refer to E2/AS1 Tables 20-22 for flashing material selection and compatibility.

Innova will not be responsible for the incorrect selection and installation of flashing.

VENT STRIP

For Cavity Construction, a Vent Strip or a Weather Board Starter/Cavity Closer (30 or 35mm) manufactured by Redway Developments is required to be installed. The Weather Board Starter/Cavity Closer eliminates the need for a cant strip to be installed at the base of the wall. The Vent Strips or Weather Board Starter/Cavity Closer is available from your building merchants.

CAVITY BATTENS

As per E2/AS1 Cavity Battens must:

- / Be nominal 20mm (between limits of 18mm and 25mm in thickness)
- / Be at least the same width as the stud
- / Be fixed by, the cladding fixings, through the building underlay into the framing. Battens can be temporarily fixed to the studs until the Nuline™ Plus is installed
- / Comply with the durability requirements of B2/AS1 and if timber comply with NZS3602.
- / Cavity Battens must be minimum of H3.1
- / Cavibat system can also be used

FLEXIBLE WALL UNDERLAY SUPPORT

When stud spacings are greater than 450mm and a flexible wall underlay is used then support must be used to secure the flexible wall underlay in place and prevent bulging of the bulk insulation in the drained cavity.

This can be achieved with:

- / An additional vertical batten
- / Polypropylene Strap at 300mm centres horizontally
- / Galvanised Wire at 300mm centres horizontally
- / 75mm Galvanised Mesh

JOINING

Nuline™ Plus has a tongue and groove end joining system and is designed for off stud joining – refer to Figure 3.

It is recommended that the joins be staggered and centrally located between studs but should not be closer than 100mm from the studs.

A bead of BRANZ Appraised Adhesive/Sealant should be applied to the back of the joint as per Figure 6.

PLANK OVERLAP

Planks must overlap the previous course by a minimum of 30mm. Higher overlaps may be used to line courses up with windows and/or doors or due to overall height of wall.

PAINTING AND PREPARATION

Painting of Nuline™ Plus is required to meet the durability and external moisture requirements of the NZBC. Nuline™ Plus must be painted within 3 months of installation. There is no restriction on the colour Nuline™ Plus can be painted.

All face nails must be punched 2mm below the surface and filled with appropriate exterior grade filler.

Once cured, it needs to be sanded smooth.

The filled nail holes will need to be spot primed if not fully priming Nuline™ Plus.

Nuline™ Plus must be finished with a latex exterior paint system complying with any of part 7, 8, 9 or 10 of AS3730. All cut edges must be sealed with Edge Sealer or similar prior to finishing.

Nuline™ Plus is supplied pre-primed. For the best finish, Innova recommends following paint manufacturer's recommendations on application and maintenance of the paint system.

Follow the manufacturer's instructions regarding the installation of the sealant.

MAINTENANCE

Building owners are responsible for the maintenance of Nuline™ Plus. Annual inspections must be made to ensure that all aspects of the cladding systems, including flashings remain in a weatherproof condition. Any damaged areas or areas showing signs of deterioration which would allow water ingress, must be repaired immediately. Sealant, paint coatings, flashings or the Nuline™ Plus must be repaired in accordance with the relevant manufacturer's instructions.

Regular cleaning (at least annually) of the paint finish with water and a mild detergent is recommended to remove grime, dirt and organic growth, to maximise the life and appearance of the cladding.

Recoating of the paint finish will be necessary throughout the life of the cladding system. Re-painting must be carried out every 5-10 years in accordance with the paint manufacturer's instructions. When re-painting, care must be taken to ensure bottom edges are well covered with the paint. Flashing and sealants must continue to perform their design function.

Damaged planks should be replaced as originally installed. Paintwork should be maintained in accordance with the manufacturer's instructions.

FREEZE THAW

Nuline™ Plus should not be used in situations where it will be in direct contact with snow or ice for prolonged periods.

WARRANTY

Etex Australia Pty Ltd (NZ) warrants, subject to the Conditions and Notes set out below, that its products be:

- 1) Free from defects caused by defective materials or workmanship (manufacturer); and
- 2) Resistant to rotting, fire and cracking,

For the following period from the date of purchase of each product:

- 25 years for Nuline™ Plus, Stratum™ and Duraplank™ ranges
- 15 years for Montage™
- 50 years for DurabARRIER (when used as bracing sheets)
- 15 years for all other products.

If you purchase any **Innova Fibre Cement (NZ)** product and find that it does not meet the above warranty during the relevant warranty period, **Innova Fibre Cement (NZ)** will at its option, repair or replace the product, supply equivalent replacement products or reimburse the purchase price of the product, subject to receiving a valid claim, product inspection and confirmation of the existence of a defect by **Innova Fibre Cement (NZ)**. We will bear the cost of any such repair, replacement or refund.

CONDITIONS

- i) This warranty is non-transferable. To claim under this warranty, you must submit proof of purchase and a written claim to **Innova Fibre Cement (NZ)** at the following address:

27 Accent Drive, East Tamaki, Auckland
Postal Address PO Box 76695, Manukau City, Auckland

- ii) The product must be installed and maintained in accordance with the relevant **Innova Fibre Cement (NZ)** literature current and available at the time of purchase. All additional products used in conjunction with the **Innova Fibre Cement** product(s), including accessories, jointing systems and coatings must be applied or installed according to the relevant manufacturer's instructions.
- iii) Claims must be submitted in writing within 30 days of the defect becoming reasonably apparent. If the defect is detected prior to installation, the claim must be submitted prior to installation.
- iv) Your sole remedy under this warranty is the repair or replacement of the product, supply of equivalent replacement product or reimbursement of the purchase price as described above. **Innova Fibre Cement (NZ)** is not liable for any damage or losses (direct or indirect) including (without limitation) any property damage or personal injury, economic loss or loss of profits, consequential loss arising in contract or negligence or howsoever arising.
- v) **Innova Fibre Cement (NZ)** is not liable for any claims, damages or defects arising from or attributed to:
 - poor workmanship, poor design or detailing of the project,
 - products not supplied by **Innova Fibre Cement (NZ)**,
 - settlement or structural movement or movement of materials to which the product is attached,
 - incorrect design of the structure,
 - acts of God, including but not limited to floods, cyclones, earthquakes or severe weather or unusual climate conditions,
 - performance of coatings or paints applied to the product,
 - normal wear and tear, growth of mould, mildew, fungi, bacteria or any other organism on the product's surface (exposed or unexposed).

Failure to comply with all relevant requirements of the current New Zealand Building Code regulations and standards in the design and construction of the project.

Please note that:

- If any remedy under this warranty involves recoating or painting of **Innova Fibre Cement (NZ)** products, there may be slight colour differences between the replacement product and the original products due to the effect weathering and variations in materials over time.
- **Innova Fibre Cement (NZ)** does not warrant any product's suitability for any purpose or ability to comply with the relevant conditions set out in the New Zealand Building Code. It is the responsibility of the building designer to ensure that the products used are suitable for the intended project and that specific design is conducted where appropriate. All warranties, conditions, liabilities and obligations other than those specified in this warranty are excluded to the fullest extent allowed by the law.
- The instructions and recommendations in **Innova Fibre Cement (NZ)** literature are based on good building practice, but are in no way an exhaustive statement of all relevant information and are subject to conditions above. **Innova Fibre Cement** has tested the performance of its products when installed in accordance with the product's technical specification, in accordance with the standards required by the New Zealand Building Code.

DISCLAIMER

The successful performance of the relevant product depends on a number of factors outside the control of **Innova Fibre Cement (NZ)**. As such, **Innova Fibre Cement (NZ)** shall not be liable for the recommendations made in its literature and the performance of the products/systems including its suitability for any purpose or ability to comply with the relevant conditions set out in the New Zealand Building Code. It is the responsibility of the building designer to ensure that the details and recommendations provided in the relevant **Innova Fibre Cement (NZ)** installation guide are suitable for the intended project and that specific design is conducted where appropriate.

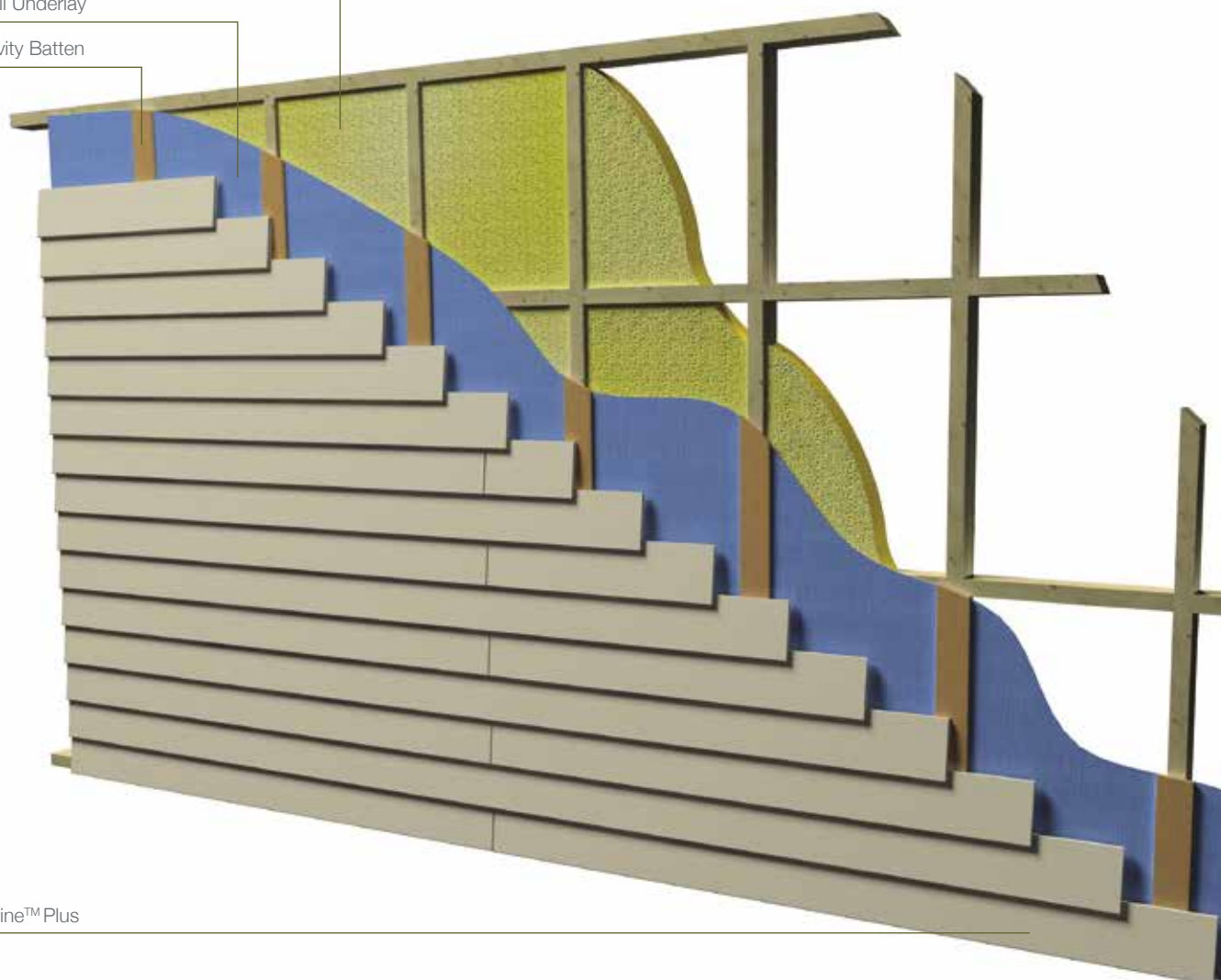
The instructions and recommendations in **Innova Fibre Cement (NZ)** literature are based on good building practice, but are in no way an exhaustive statement of all relevant information and are subject to conditions above. **Innova Fibre Cement** has tested the performance of its products when installed in accordance with the product's technical specification, in accordance with the standards required by the New Zealand Building Code. Those test results demonstrate the products compliance with the performance criteria set out by the New Zealand Building Code.

FIGURE 1
GENERAL AND WALL UNDERLAY

Insulation

Wall Underlay

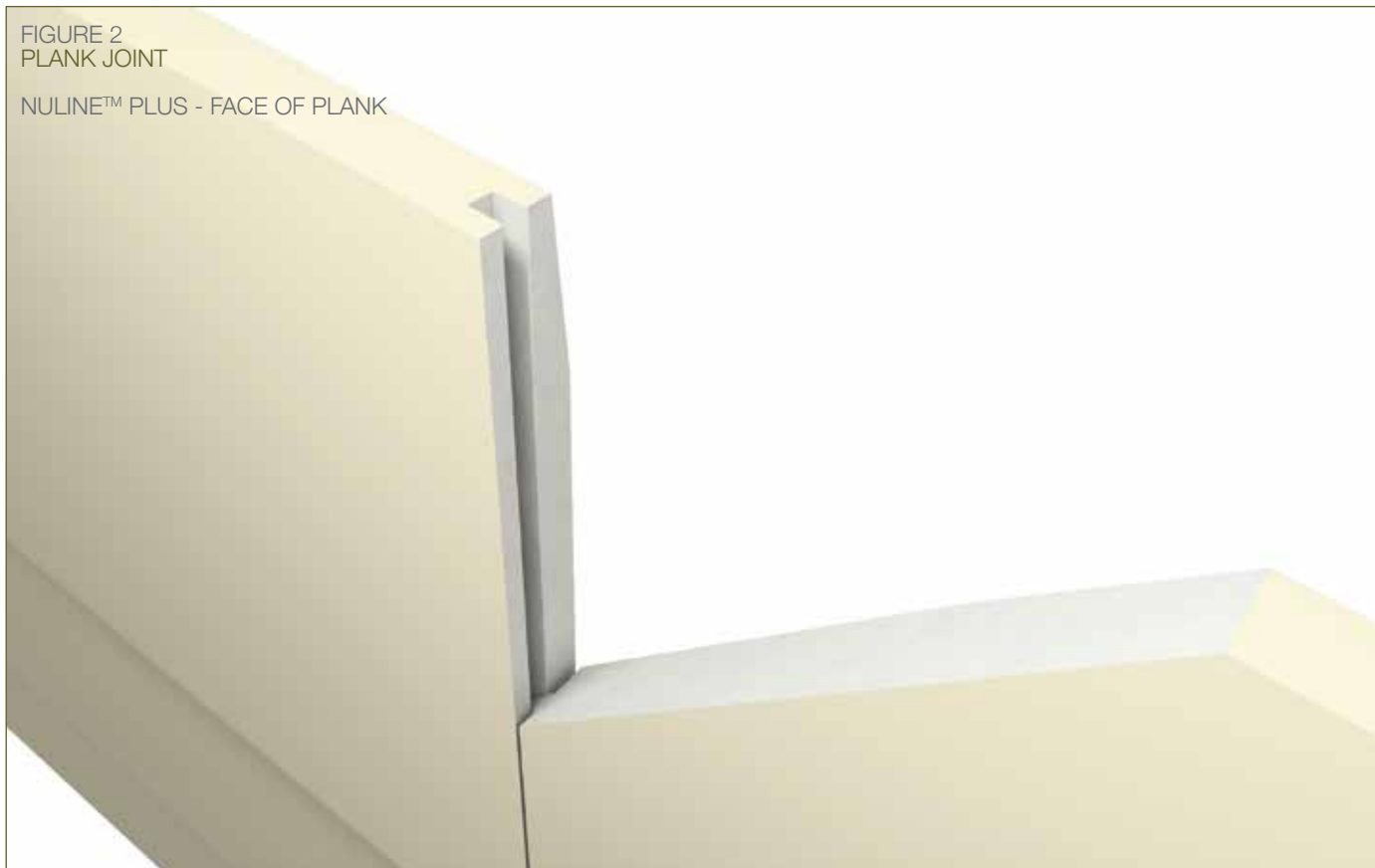
Cavity Batten



Nuline™ Plus

FIGURE 2
PLANK JOINT

NULINE™ PLUS - FACE OF PLANK



INSTALLATION

FIGURE 3
APPLYING SEALANT

NULINE™ PLUS - BACK OF PLANK

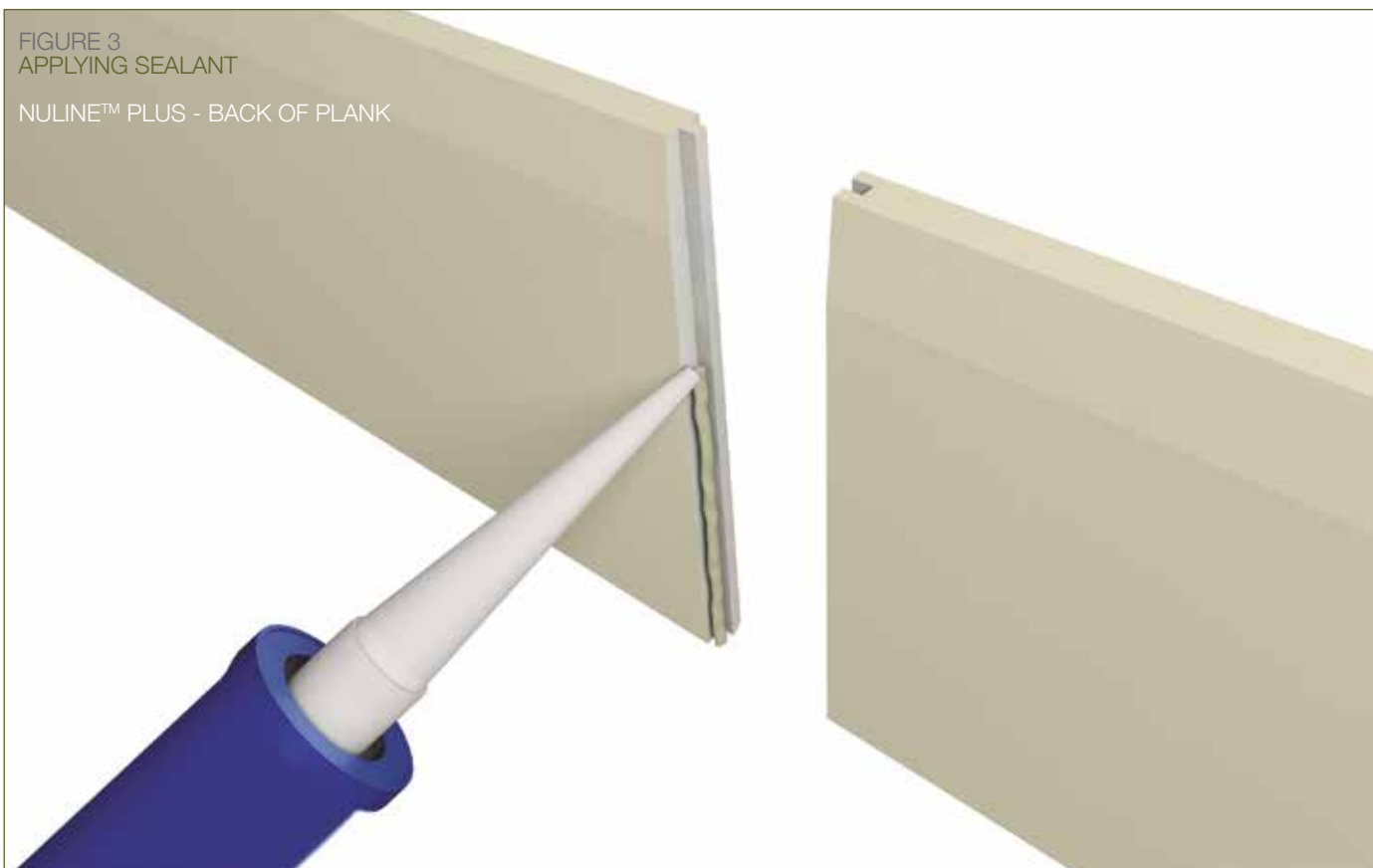
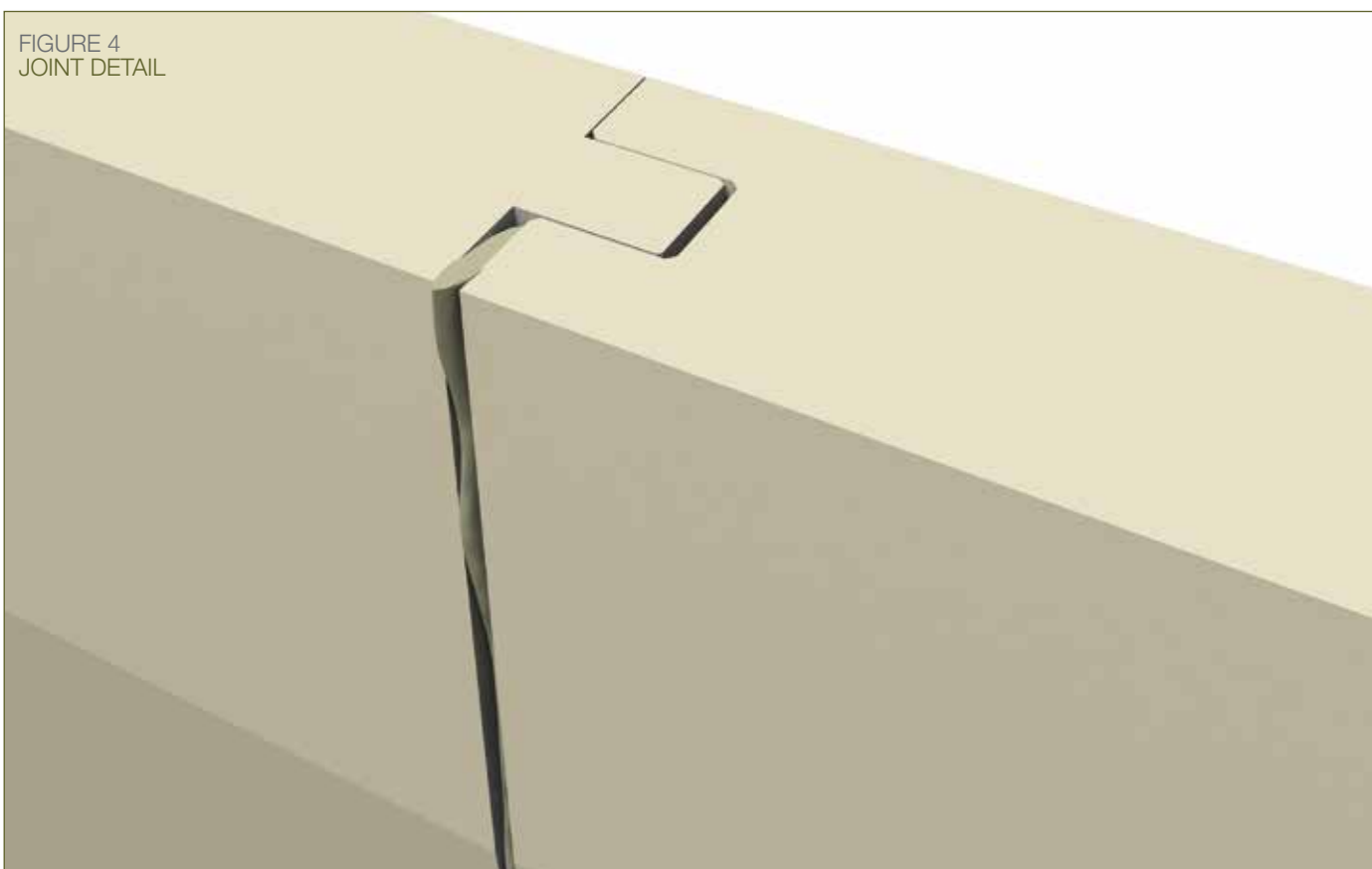


FIGURE 4
JOINT DETAIL



INSTALLATION

FIGURE 5
STARTER PLANK

Timber Frame

Nuline™ Plus

Cavity Batten

Wall Underlay or Durabarrier

Fastener

Cavity Closer

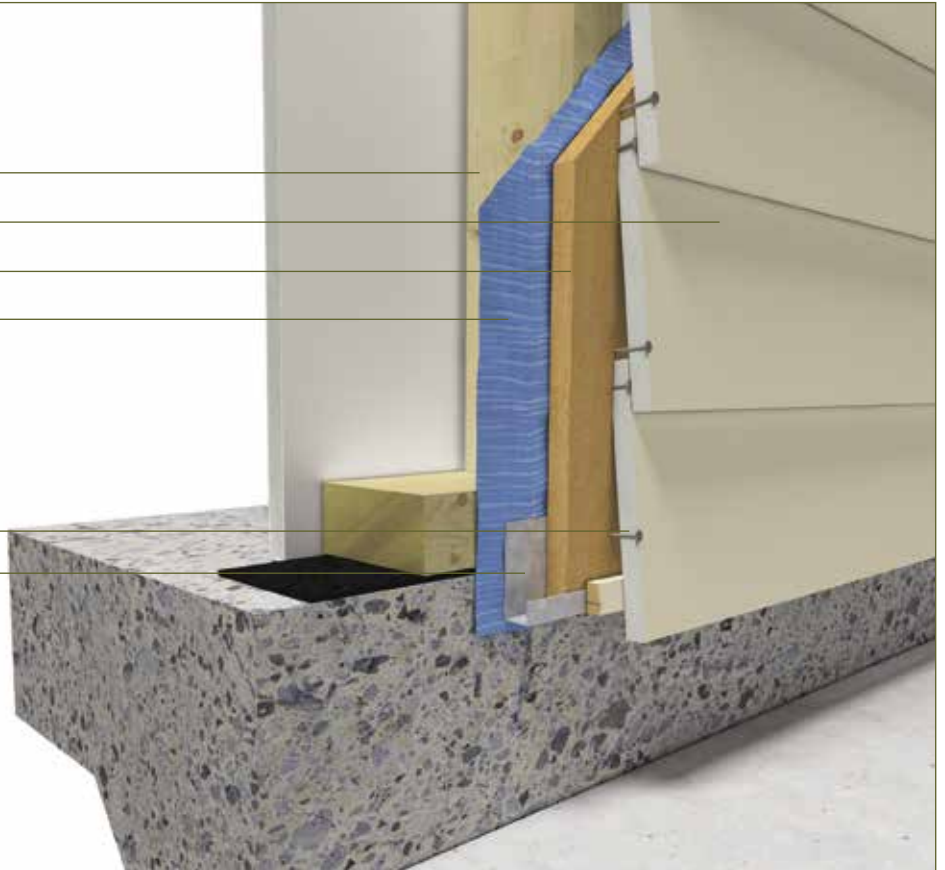


FIGURE 6
FASTENER DETAIL TIMBER FRAMING
FACE FIXING SYSTEM

Wall Underlay or Durabarrier

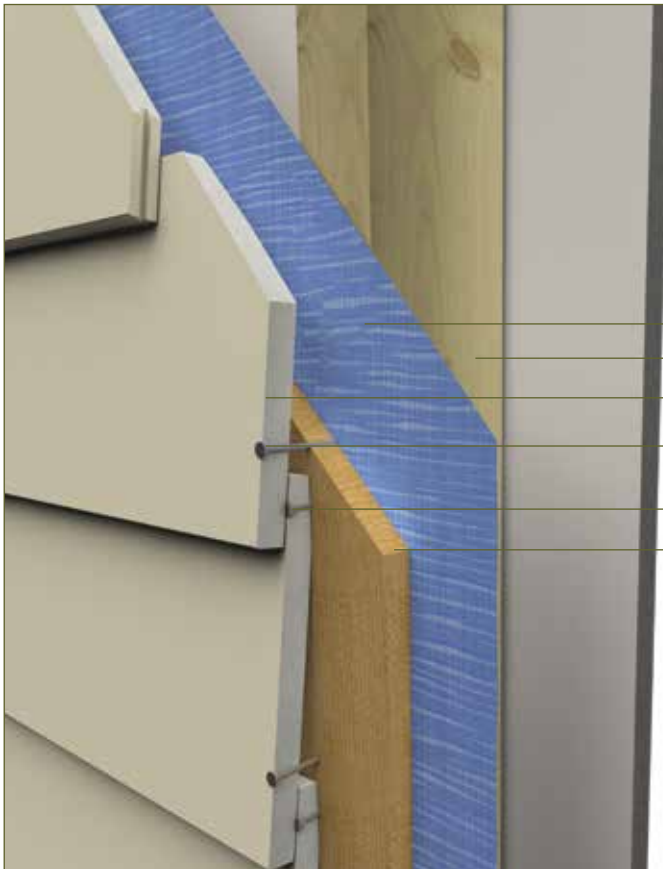
Timber Frame

Nuline™ Plus

Fastener

Fastener

Cavity Batten



INSTALLATION

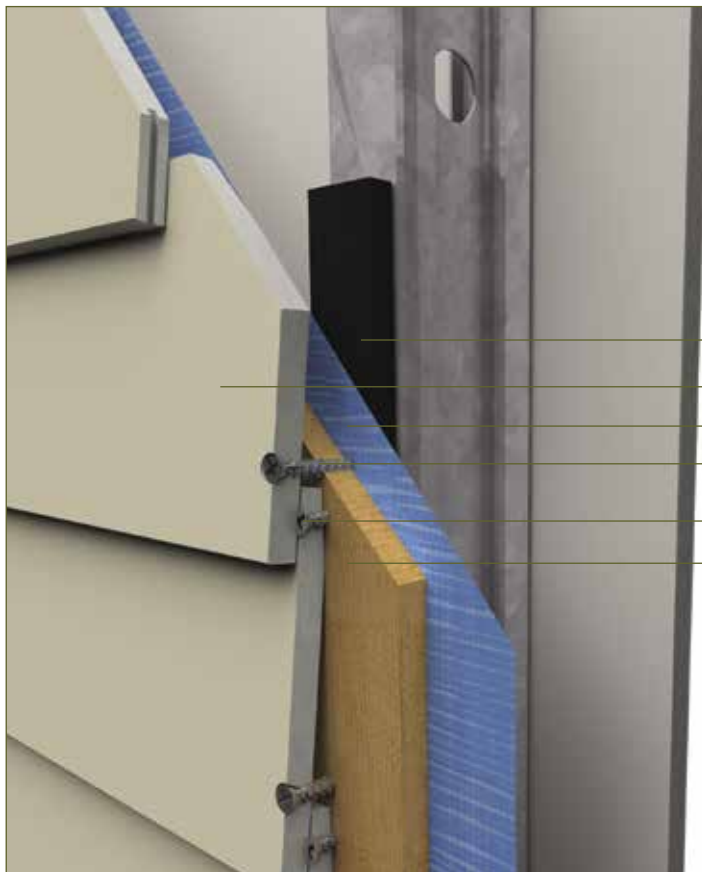


FIGURE 7
FASTENER DETAIL STEEL FRAMING
FACE FIXING SYSTEM

Thermal Break

Nuline™ Plus

Wall Underlay or Durabarrier

Fastener

Fastener

Cavity Batten

FIGURE 8
INTERNAL CORNER

Timber Frame

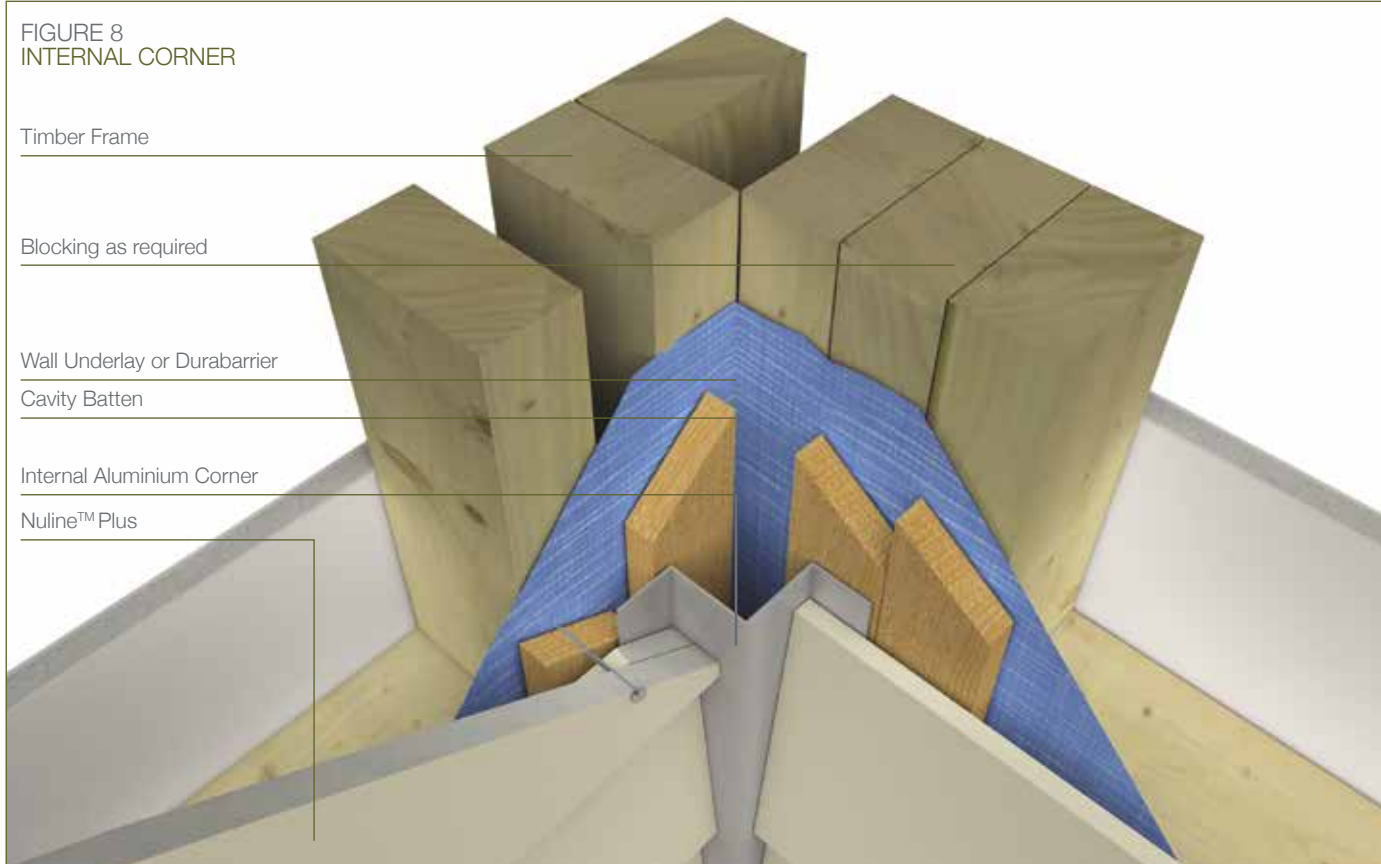
Blocking as required

Wall Underlay or Durabarrier

Cavity Batten

Internal Aluminium Corner

Nuline™ Plus



INSTALLATION

FIGURE 9
EXTERNAL CORNER

Wall Underlay or Durabarrier

Cavity Batten

Nuline™ Plus

Corner Soaker with 15mm min coverage of plank

NOTE // Corners can be either mitre or offset cut

FIGURE 10
EXTERNAL CORNER DETAIL
WITH CAVITY CONSTRUCTION

Timber Frame

Wall Underlay or Durabarrier

Cavity Batten

Fastener

External Aluminium Corner

Nuline™ Plus

PLANK OVERLAPS

Planks must overlap the previous course by a minimum of 30 mm. Higher overlaps may be used to match the wall height to the plank width.

CUTTING AROUND OPENINGS

When cutting planks around window or door openings, a 5 mm nominal clearance must be provided at the jamb, head and sill.

Plank courses should be set out so that as near to a full plank width as possible remains under a window, or similar openings.

A plank joint at one end for small openings and both ends of longer openings will make installation easier and eliminate breakages.

Flashing and mouldings must be installed as appropriate to prevent ingress of water into the framing.

FIGURE 11
WINDOW HEAD

Fastener

Fastener

Wall Underlay or Durabarrier

Cavity Batten

Timber Frame

Window Head Flashing

Nuline™ Plus

Packer as required

Air Seal over PEF Rod

INSTALLATION

FIGURE 12
WINDOW SILL

Air Seal over PEF Rod

Packer as required

Sill Support Bar

Interior Lining

Flexible Flashing Tape

Wall Underlay or Durabarrier

Cavity Batten

Nuline™ Plus



FIGURE 13
WINDOW JAMB

Timber Frame

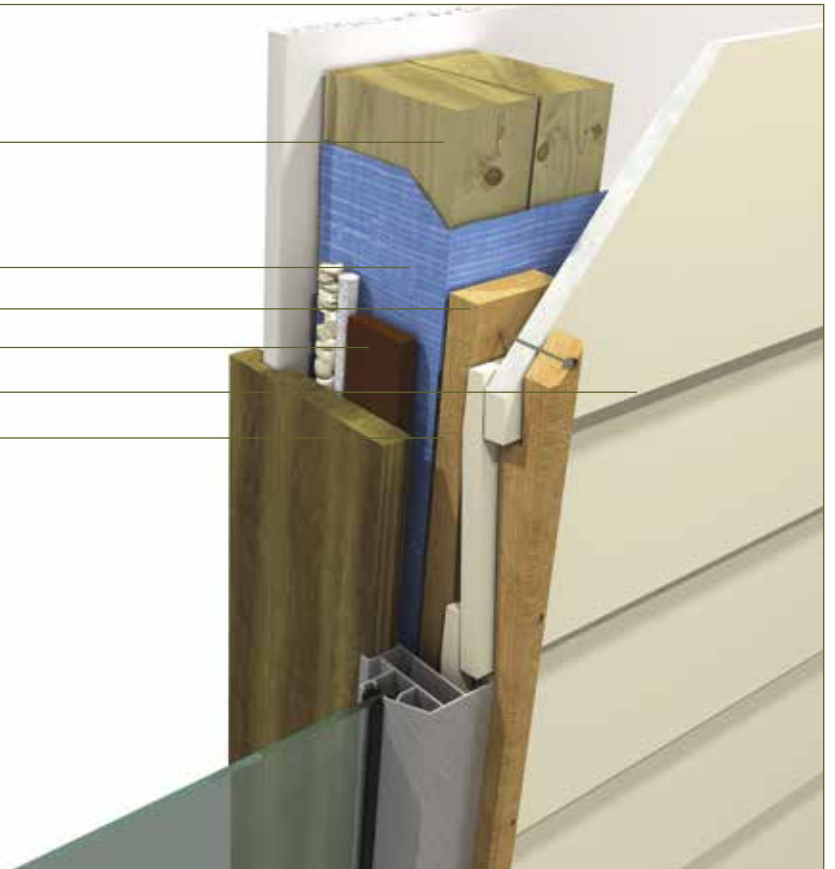
Wall Underlay or Durabarrier

Air Seal over PEF Rod

Packer as required

Nuline™ Plus

Cavity Batten



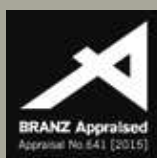
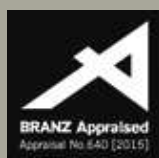
For facing details contact Innova Fibre Cement or www.innovafibreceement.co.nz

CONTACT

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INNOVA HAS A TEAM OF TECHNICAL SPECIALISTS WHO CAN ASSIST WITH ALL SPECIFICATION AND DESIGN INFORMATION. INNOVA PROVIDES BUILDERS, DEVELOPERS AND ARCHITECTS WITH A RANGE OF DESIGN ALTERNATIVES AND INNOVATIVE PRODUCTS SUCH AS:

DURASHEET™ / Fibre cement sheet for exterior applications.

DURATEX™ / Fibre cement sheets for applied finish systems.

DURABARRIER / A rigid sheathing/air barrier for all types of timber framed construction.

DURAPLANK™ / Woodgrain and smooth fibre cement plank for exterior applications.

DURAGRID™ / A lightweight facade giving a modern and durable finish.

DURAGROOVE™ / A vertically grooved cladding.

DURASCAPE™ / A base sheet with a 5mm shiplap join.

DURALINER™ / Interior lining suitable as a substrate for tiles and is ideal for wet areas.

NULINE™PLUS / Weatherboard cladding system.

MONTAGE™ / A pre-finished versatile facade system that can be used internally and externally.

STONESHEET™ / Fibre cement stone slip substrate.

SAFE WORKING PRACTICES - PLEASE WEAR A P1 OR P2 MASK AND SAFETY GOGGLES (APPROVED TO AS/NZW1337 STANDARDS) WHILST CUTTING OR INSTALLING DURAGRID™. DURAGRID™ CAN BE SAFELY HANDLED DURING UNLOADING OR STACKING WITHOUT THE USE OF THESE PRECAUTIONS.

CLEANING UP - ALWAYS WET DOWN YOUR WORK AREA WHEN CUTTING DURAGRID™, TO ENSURE THAT DUST IS MANAGED. DISPOSE OF ANY VACUUMED DUST WITH CARE AND USING CONTAINMENT PROCEDURES.

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DESIGN
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