

SOLITEX EXTASANA®

Early Close-In Application Guide for Horizontal Cladding

July 29, 2025



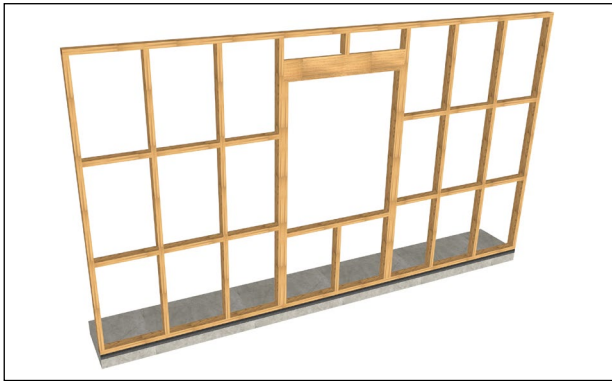
Reliable weather protection with 180 days exposure.

CodeMark»»
CMNZ30032



Installation instructions

SOLITEX EXTASANA® EARLY CLOSE-IN APPLICATION GUIDE FOR HORIZONTAL CLADDING



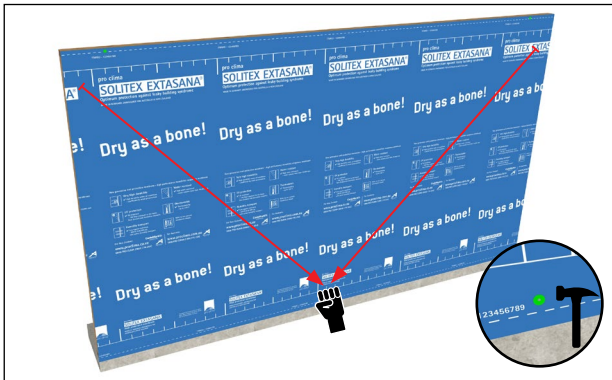
1. Prepare timber framing

Ensure all studs are free from splinters.



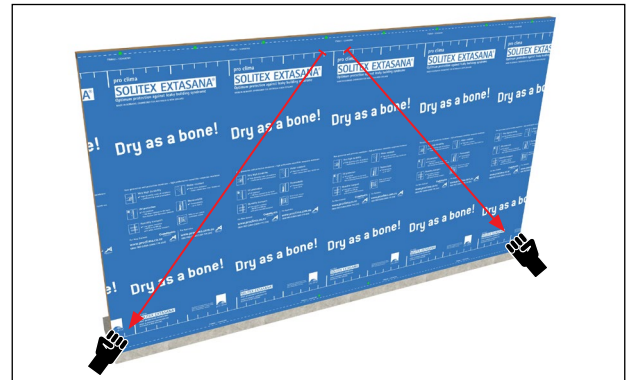
2. Apply initial fixing points

Apply a cap nail to the membrane near the top left-hand corner before unrolling it over the studs. Pull it taut and secure the opposite top corner with a cap nail. Avoid stud line (see step 5).



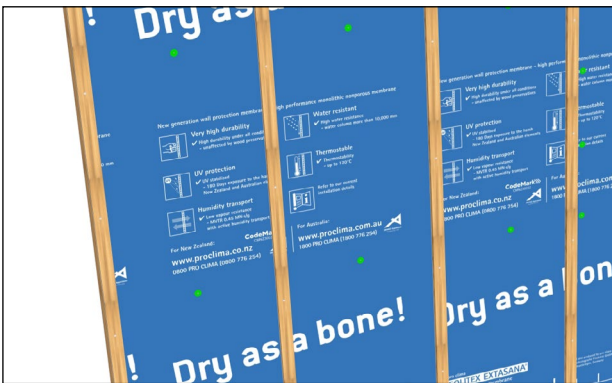
3. Centre and fasten

Pull the membrane down taut at the centre, then fix it at the bottom with a cap nail.



4. Fasten bottom corners

Pull the membrane taut towards the bottom corners and fix each corner.



5. Mark out fixing pattern and position battens

Fix with a combination of cap nails and battens at maximum centres of 300mm. Battens should not be fixed over cap nails.



PNEUMATIC CAP NAILER GUN Designed for fastening plastic caps with 25 mm ring-shank nails. Nails are available separately in electro-galvanised or 304 stainless steel. Requires a 90–100 PSI air compressor for operation.



32 mm HAND-DRIVEN CAP NAILS Electro-galvanised or 304 stainless steel nails (32 mm) with 25 mm washers. Suitable for securing SOLITEX EXTASANA® Weather Resistive Barrier (WRB).

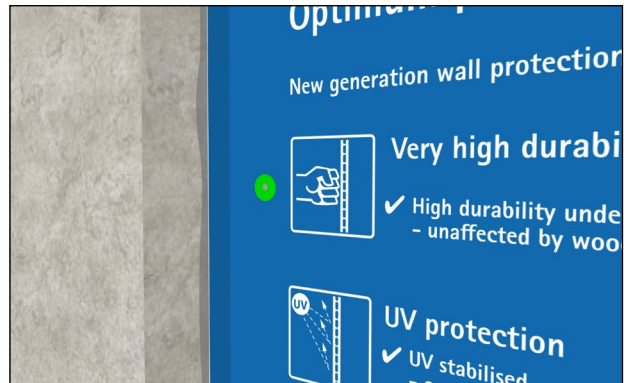
NOTE

- SOLITEX EXTASANA® is available in 2.74m and 1.5m widths. Fix with a combination of cap nails or battens at maximum centres of 300mm. Battens should not be fixed over cap nails. In sea spray zones (ZONE D) metal fixings must be stainless steel.
- Apply the same fixings type and frequency where EXTASANA is installed over a Rigid Wall Underlay (RWU).



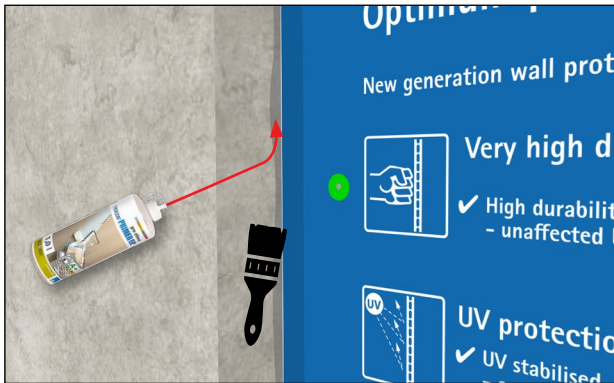
6. Connect to masonry wall

Where SOLITEX EXTASANA® meets dissimilar wall types (concrete or masonry) a joint is formed.



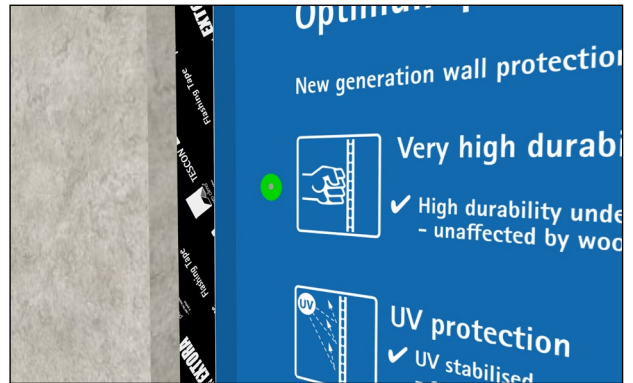
7. Create overlap onto masonry

SOLITEX EXTASANA® shall be fixed into timber frame with Cap Nail and a 30mm overlap created onto masonry wall.



8. Prepare surface

TESCON® PRIMER RP can be applied with a brush to any porous or uneven masonry surfaces.



9. Connect with tape

TESCON EXTORA® is applied with the PRESSFIX. Ensure the tape will not protrude further than the cladding.



10. Mid-floor junctions

SOLITEX EXTASANA® should be connected to any concrete soffits that the framed wall butts into.



11. Fix top edge of SOLITEX EXTASANA®

SOLITEX EXTASANA® is held in place by fixings at minimum 300 mm centres. Leave a 30 mm overlap onto the concrete for easy connection.

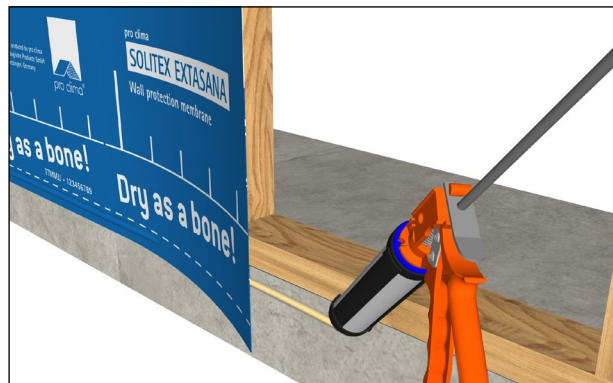


TESCON® PRIMER RP Applied to substrates to prepare for optimum adhesion to concrete, masonry, timber, fibre cement, plywood, oriented strand board (OSB), and other porous or friable surfaces prior to application of TESCO EXTORA®.



12. Seal to the mid-floor using ORCON® CLASSIC

The SOLITEX EXTASANA® 30 mm overlap should be adhered to the mid-floor using a bead of ORCON® CLASSIC.



13. Seal to slab edge using ORCON® CLASSIC

SOLITEX EXTASANA® is adhered to the slab edge using ORCON® CLASSIC.



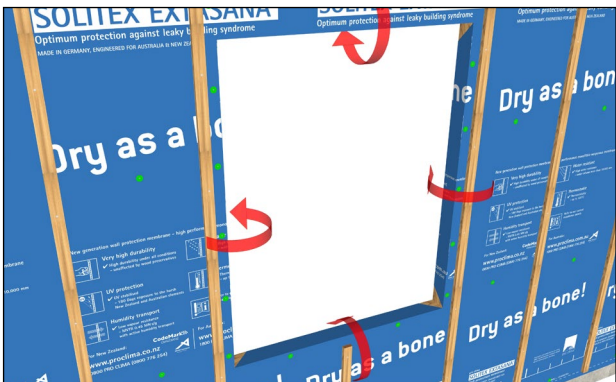
14. Create flexible seal

DO NOT press the bead completely flat, allowing a lasting, flexible seal.



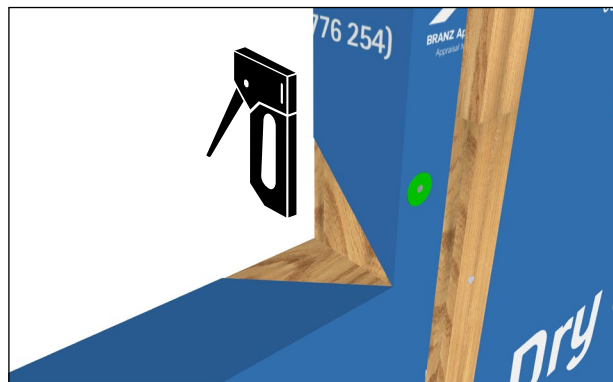
15. Prepare window opening

Cut the membrane at the window reveal forming four flaps to be dressed into the reveal.



16. Fold into window opening

Fold the SOLITEX EXTASANA® flaps back into the reveals.

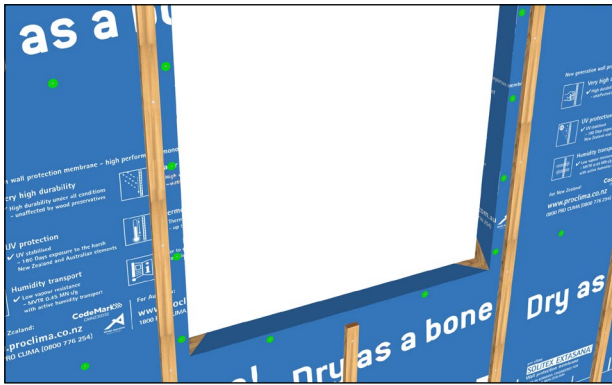


17. Fix flaps

Fix the flaps into the window reveal using staples along the rear edge, spaced evenly at 150 mm centres. Note: this is the only use case for stapling.

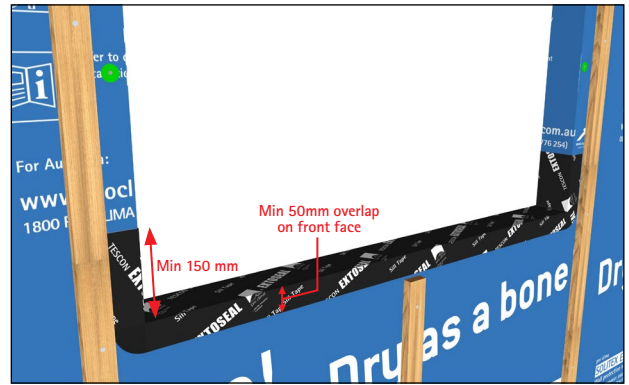


ORCON® CLASSIC Durable sealing glue suitable for bonding all Pro Clima products to any building material; smooth or rough, masonry or timber. Do not apply in wet conditions.



18. Prepare surface

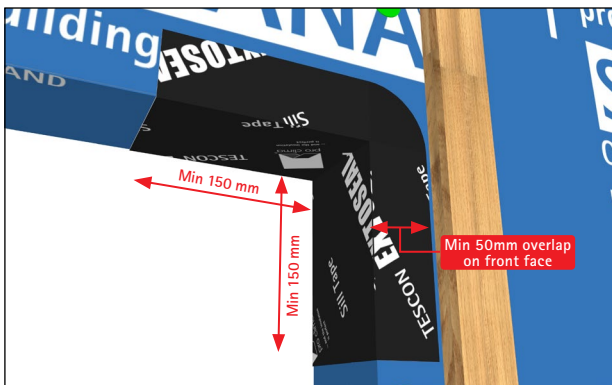
Before installing TESCON EXTOSEAL® ensure the surface is clean, dry and clear of protruding objects eg. broken staples & timber splinters.



19. Install TESCON EXTOSEAL® sill tape

Window jambs require a minimum vertical tape coverage of 150 mm or 50 mm coverage of exposed timber, whichever is the greater.

*See EXTOSEAL Installation Guide.



20. Window corner seal with TESCON EXTOSEAL®

TESCON EXTOSEAL® should extend minimum 150 mm vertically and horizontally, or 50mm coverage of exposed timber, whichever is the greater. Additionally, 50 mm coverage on to the face of SOLITEX EXTASANA® should be achieved as shown in red.



21. Butterfly

Where TESCON EXTOSEAL® has been over stretched or damaged, apply a butterfly of TESCON EXTORA®.



22. Basic install completed

SOLITEX EXTASANA®, TESCON EXTORA® and TESCON EXTOSEAL® form a continuous system. Any damage or tears should be patched with TESCON EXTORA®.



PRESSFIX Malleable plastic tool for applying pressure to pro clima adhesive tapes to ensure long term durable bonding.



TESCON EXTORA® Pressure sensitive adhesive tape for overlaps and end laps in SOLITEX EXTASANA® system.



TESCON EXTOSEAL® Flexible flashing tape for use around window and door openings as part of the SOLITEX EXTASANA® system.

NOTE

- The PRESSFIX tool MUST be used to apply pressure to TESCON EXTORA® and TESCON EXTOSEAL® to ensure the glue is activated and can reach maximum hold strength. For wider frames the TESCON EXTOSEAL® is also available in 200 & 300 mm widths.
- Apply the same fixings type and frequency where EXTASANA is installed over a Rigid Wall Underlay (RWU).



23. Cut for pipe penetrations

Four slits are made in horizontal and vertical axis, only large enough to fit the diameter of the pipe.



24. Push pipe through

Push the pipe through to open up the tabs. Trim the tabs as needed to allow for the application of ROFLEX and TESCON EXTORA®



25. Fit ROFLEX

Place ROFLEX over the pipe in a diamond orientation. It should be a tight fit over the pipe.



26. Apply TESCON EXTORA®

Apply TESCON EXTORA® 60 mm width at the bottom edge and apply pressure with the PRESSFIX tool.



27. Apply TESCON EXTORA®

Apply TESCON EXTORA® around the entire grommet, working anti-clockwise to ensure that the upper layers overlap the lower layers.



28. Apply TESCON EXTORA®

At TESCON EXTORA® tape overlaps, ensure the top layer fully covers the end of the layer below to maintain optimum weathertightness.



KAFLEX and ROFLEX Airtight and weathertight sealing grommets made of strong and flexible EPDM.

Overlapping SOLITEX EXTASANA® vertical or horizontal



29. Overlapping

The membranes must overlap by 150 mm. The white line marks the required overlap and serves as a guide for aligning successive layers.



30. Connections using TESCON EXTORA® flashing tape

At a minimum, apply TESCON EXTORA® 60 mm tape to seal all horizontal and vertical overlaps, using the dotted white line as a positioning guide. Press firmly with the PRESSFIX tool.

Certificate of Installation

Please fill out all fields below and email a copy to welcome@proclima.co.nz.

Pro Clima NZ Limited
PO Box 925
CBD
Wellington 6140
Phone: 04 589 8460
welcome@proclima.co.nz



CERTIFICATE OF INSTALLATION

Manufacturer's details:	Pro Clima NZ Limited		
Installer's company name:			
Date(s) of installation:		Quantity of material installed:	
Property/address where installation took place:		Batch number(s) of product installed: (Printed on roll edge)	
Location/zone where product(s) was installed:			
Comments on installation:			
Applicable installation instructions:	Followed all of install guide (July 2025): YES / NO If "NO", see below.		
Name of engineer/architect responsible for deviation:			
We declare and confirm that the installation was completed as per the manufacturer's instructions.			
Installer signature:	Name:	Installer registration or approval number:	Date signed:
Installer supervisor signature:	Supervisor Name:	Supervisor registration or approval number:	Date signed:

A COPY OF THIS CERTIFICATE SHOULD BE PROVIDED TO THE BUILDER OR OWNER. COPY KEPT AS RECORD BY THE INSTALLATION COMPANY.

CERTIFICATE OF INSTALLATION

Manufacturer's details:	Pro Clima NZ Limited		
Installer's company name:	ABC Builders Limited		
Date(s) of installation:	Started 1/2/2025, completed 15/2/2025	Quantity of material installed:	5 rolls, 3 x 2.74 and 2 x 1.5m
Property/address where installation took place:	Lot 51, 32 Bay Street, Wellington 6012	Batch number(s) of product installed: (Printed on roll edge)	138347
Location/zone where product(s) was installed:	The complete walls of the building, less 2 sections on the rear (south side) of the building, for access as per drawings		
Comments on installation:	No installation issues. All vertical joints taped with TESCON EXTORA. Penetrations sealed with KAFLEX and ROFLEX grommets.		
Applicable installation instructions:	Followed all of install guide (July 2025): YES / NO If "NO", see below.		
Name of engineer/architect responsible for deviation:	None		
We declare and confirm that the installation was completed as per the manufacturer's instructions.			
Installer signature: Trevor Jones	Name: Trevor Jones	Installer registration or approval number: BP123456	Date signed: 16/2/2025
Installer supervisor signature: Fred Henry	Supervisor Name: Fred Henry	Supervisor registration or approval number: BP234567	Date signed: 16/2/2025

EXAMPLE

EARLY CLOSE-IN SYSTEM INSTALLER QA CHECKLIST FOR SITE RECORDS

PROJECT ADDRESS / LOT NO:	
CONSENT NO:	
CORROSION ZONE:	(stainless fixings required for Zone D)
OWNER / APPLICANT:	
INSTALLATION DATE:	

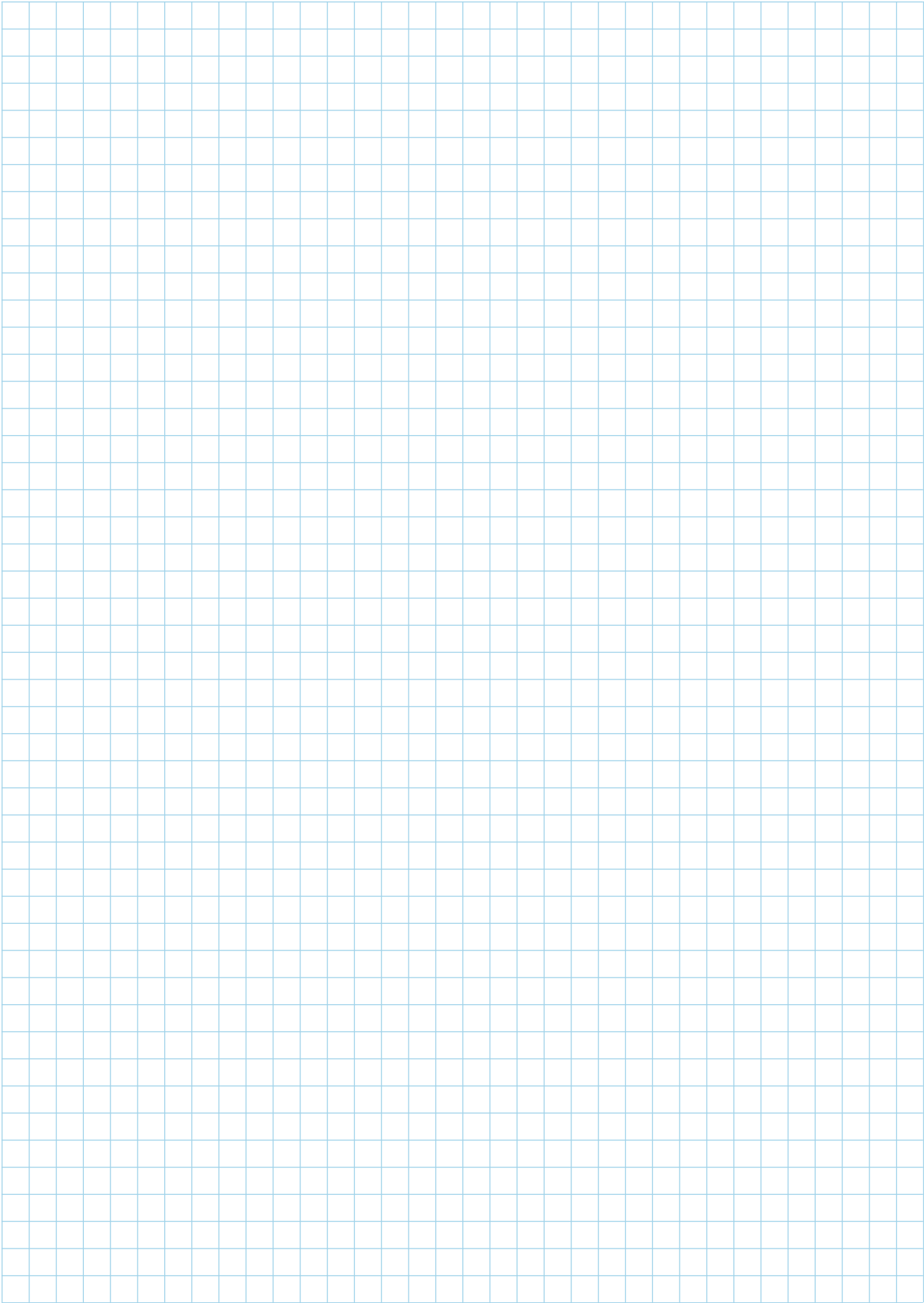
PLEASE ENSURE YOU HAVE READ ALL QA REQUIREMENTS AND COMPLETED ALL FIELDS.		Refer to EXTASANA ECI Application Guide step No.	✓ if OK X if N/A
1	PREPARE TIMBER FRAMING		
1.1	Framing installed as per designer's drawings. Framing free of splinters or protruding 1.1 nails/screws that could puncture the underlay.	1	
2	INSTALLING THE SOLITEX EXTASANA®		
2.1	EXTASANA® fixed at top and bottom of framing with either hand driven or gun cap nails. Underlay pulled taut across the whole framing area. Allow for lapping as per steps 2.3-2.6.	2-4	
2.2a	BRICK CLADDING: EXTASANA® fixed to all studs & nogs with cap nails at max 300mm centres (strike out if not applicable)	5	
2.2b	HORIZONTAL CLADDING: EXTASANA® fixed with vertical battens to studs, and with cap nails to nogs at 300mm centres. No battens fixed over cap nails (strike out if not applicable)	5	
2.2c	VERTICAL CLADDING: EXTASANA® fixed with cap nails at 300mm centres to all studs and nogs, apart from where horizontal battens are fixed. No battens fixed over cap nails. (strike out if not applicable)	5,5a	
2.3	EXTASANA® lapped by 150mm at horizontal laps & vertical joints. Laps sealed with TESCON EXTORA® 60mm flashing tape	29,30	
2.4	EXTASANA® lapped onto concrete or masonry walls by 30mm min at side edge of framing. PRIMER RP® applied to porous or loose surfaces. Lap sealed with TESCON EXTORA® tape or ORCON® CLASSIC glue	6-9	
2.5	EXTASANA® lapped onto concrete mid floor by 30mm min at top edge of framing. PRIMER RP® applied to porous / loose surfaces. Laps sealed with TESCON EXTORA® tape	10-12	
2.6	EXTASANA® lapped onto concrete slab edge or timber boundry joist by 35mm min at base of framing. PRIMER RP® applied to porous or loose surfaces. Lap sealed with ORCON® CLASSIC glue or TESCON EXTORA® tape	13,14	
3	PREPARING WINDOW & DOOR OPENINGS		
3.1	EXTASANA® cut at the opening to form four flaps, folded into the opening and fixed on the rear edge of the framing with staples at 150mm centres.	15-17	
3.2	TESCON EXTOSEAL® sill tape applied across whole sill, min 150mm up jambs and top corners of openings. EXTOSEAL® supported at corners on outside face by TESCON EXTORA® where overstretched or damaged.	18-21	
4	SEALING PIPE, CABLE & OTHER PENETRATIONS		
4.1	ROFLEX & KAFLEX grommets used to seal all pipe & cable penetrations passing through the EXTASANA®. TESCON EXTORA® used where relevant.	24-29	
4.2	TESCON EXTORA® flashing tape used to seal all other penetrations through the EXTASANA® (beams, ducting etc), lapped as per ROFLEX/KALFLEX grommets	26-28	
4.3	All damage and tears in the EXTASANA® repaired with TESCON EXTORA®, including scuffing of the blue fleece that exposes the black membrane layer.	23	

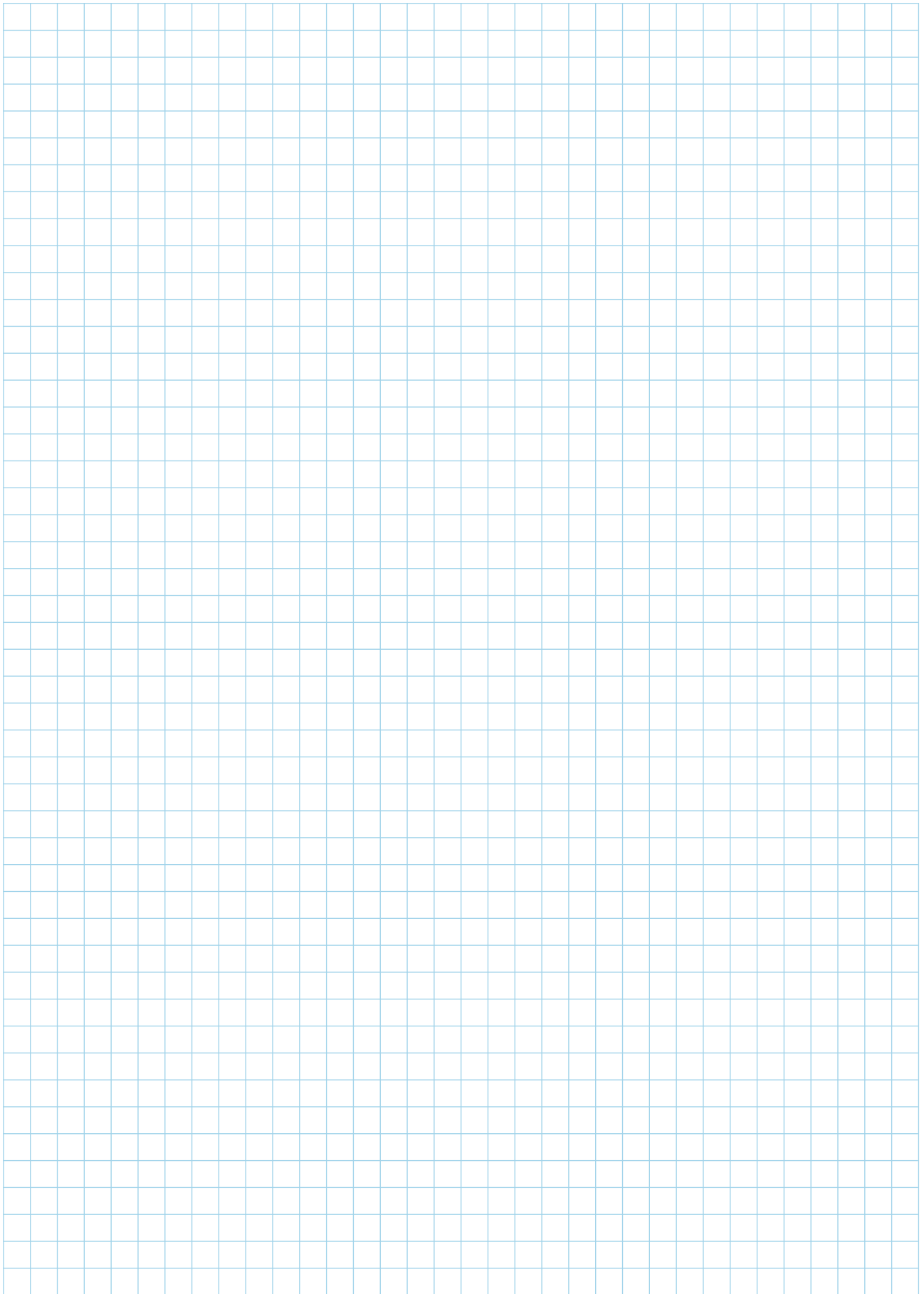
Builder/LBP Name:

Builder/LBP Signature:

Date of Preline Inspection:

Comments:





Recommendations and requirements

- Early Close In is achieved when wall underlay is installed according to this guide, and all elements and junctions of the building envelope are installed (except cladding) to achieve compliance with NZBC Clause E2.2 ie. installed roofing, windows and doors, window and door seals, flashings, penetration seals. Continuation of internal work is subject to a preline inspection.
- SOLITEX EXTASANA® can be used in either a 2740 mm or 1500 mm width horizontally or vertically. A minimum of 150 mm lap is required at joins and all vertical overlaps.
- All overlaps in the underlay should be taped using TESCON EXTORA to achieve continuous windtight and weathertight connections. These overlaps occur at horizontal and vertical joins. ORCON or TESCON EXTORA should be used to connect wall underlay to the perimeter of the floor system (timber or concrete).
- SOLITEX EXTASANA® can be used as a wall underlay on timber framed buildings within the following scope: the scope limitations of NZBC Acceptable Solution E2/AS1, Paragraph 1.1; and, with absorbent wall claddings directly scope limitations of NZBC Acceptable Solution E2/AS1, Paragraph 1.1; and, with absorbent wall claddings directly fixed to framing; and, with non-metallic, non-absorbent wall claddings directly fixed to the frame; and, with absorbent and non-absorbent wall claddings installed over an 18mm minimum drained cavity; and, with masonry veneer in accordance with NZBC Acceptable Solution E2/AS1; and, situated in NZS 3604 Building Wind Zones up to, and including 'Very High'.
- SOLITEX EXTASANA®, TESCON EXTORA® and TESCON EXTSEAL® form a continuous system. Any damage or tears should be patched with TESCON EXTORA®.
- SOLITEX EXTASANA® can be used as a flexible wall underlay over rigid wall underlays on timber and steel framed buildings within the following scope: the scope limitations of NZBC Acceptable Solution E2/AS1, paragraph 1.1 with regards to building height and floor plan area; and, with absorbent and non-absorbent wall claddings installed over an 18 mm minimum drained cavity; and, with masonry veneer in accordance with NZBC Acceptable Solution E2/AS1; and, situated in NZS 3604 Wind Zones up to and including 'Extra High'.
- Apply the same fixings type and frequency where EXTASANA is installed over a Rigid Wall Underlay (RWU).
- SOLITEX EXTASANA® can be exposed to the elements on site up to 180 days.
- Best practice: It is recommended to install timber battens soon after installing the membrane to further support fasteners.
- Pro Clima KAFLEX/ROFLEX can be used for pipe and cable penetrations when necessary.
- Warranty coverage does not extend to damage or delays caused by weather events deemed force majeure.

Certification

CodeMark
CMNZ30032



Declare.



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KAFLEX and ROFLEX Airtight and weathertight sealing grommets made of strong and flexible EPDM.



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25 mm CAP NAILS For Pneumatic Cap Nailer. Electro-galvanised or 304 stainless steel nails (25 mm) with 25 mm washers. Suitable for securing SOLITEX EXTASANA® Weather Resistive Barrier (WRB).



32 mm HAND-DRIVEN CAP NAILS Electro-galvanised or 304 stainless steel nails (32 mm) with 25 mm washers. Suitable for securing SOLITEX EXTASANA® Weather Resistive Barrier (WRB).

Your local support

NEW ZEALAND

0800 PRO CLIMA (776 254)

Technical: support@proclima.co.nz

www.proclima.co.nz

General: welcome@proclima.co.nz

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