Installation Guide

CODEMARK™
30032

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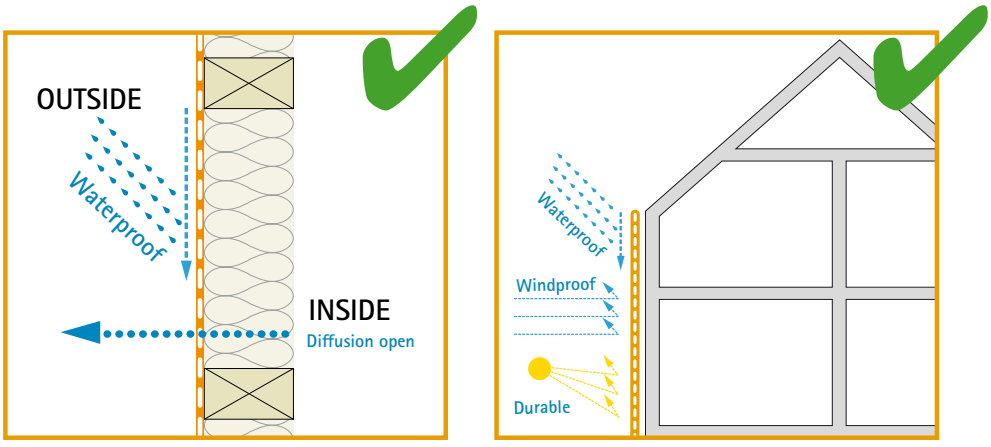
SOLITEX EXTASANA®

Wall Protection Membrane

- Waterproof
- Windproof
- Durable
- Diffusion open

	HIGH WATER RESISTANCE NZS 2295:2006	LOW VAPOUR RESISTANCE NZS 2295:2006
low-budget membrane	✗	✗
woven membrane	✓	✗
non-woven porous membrane	✗	✓
SOLITEX EXTASANA non-woven non-porous membrane	✓	✓



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➔ Installation Guide

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➔ FEATURES AND ADVANTAGES

SOLITEX EXTASANA
- ✔ **new generation wall underlay**
- ✔ **watertight**
- ✔ **non-porous**
- ✔ **highly diffusion open due to the active diffusion function**

SOLITEX EXTASANA IS A SYNTHETIC BUILDING MEMBRANE, FOR USE AS A WALL UNDERLAY UNDER WALL CLADDINGS ON TIMBER AND STEEL FRAMED BUILDINGS.

SOLITEX EXTASANA
- ✔ **New generation wall underlay**
  ➔ high performance monolithic nonporous membrane
- ✔ **High water resistance**
  ➔ water column more than 10,000 mm membrane
- ✔ **Low vapour resistance**
  ➔ MVTR lower than 0.255 MNs/g with active humidity transport
- ✔ **High durability under all conditions**
  ➔ unaffected by wood preservatives
- ✔ **Thermostable**
  ➔ thermostability above 100 °C
- ✔ **UV stabilised**
  ➔ can be exposed to the New Zealand elements for 90 days
- ✔ **Air Barrier**
  ➔ can be used as an Air Barrier as per NZS2295:2006 and NZBC E2/AS1 Table 23

SOLITEX EXTASANA is a unique non-porous watertight membrane. This enables the **SOLITEX EXTASANA** to provide high water resistance, breathability and absorption. **SOLITEX EXTASANA** can be used as an AIR BARRIER where walls are not lined e.g. attic space at gable ends (complying with NZBC Acceptable Solution E2/AS1 Table 23). **SOLITEX EXTASANA** has an extremely high tear resistance and its specialised membrane does not lead to rattling and noise attributed to other wall underlays. **SOLITEX EXTASANA** meets the edge-tear and tensile strenghts of NZS2295:2006, and increases productivity by providing temporary weather protection. **SOLITEX EXTASANA** has a non-glare blue colour providing a more pleasant working environment. **SOLITEX EXTASANA** must be fixed with the printed (blue) side out and the non-printed side to the frame. **SOLITEX EXTASANA** can be BE LEFT EXPOSED TO THE ELEMENTS FOR UP TO 90 DAYS.

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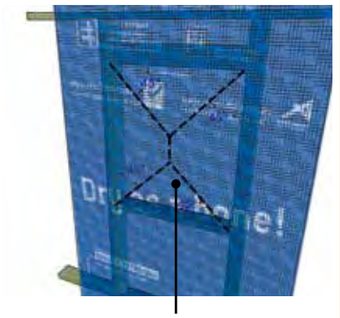
➔ APPLICATION

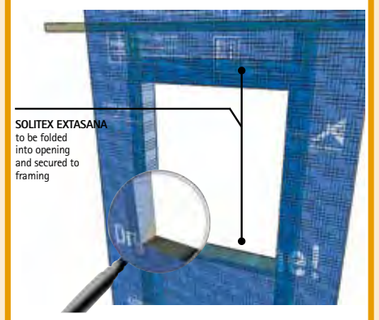
1 Roll out and fix membrane

2 Vertical overlaps

3 Cut membrane at opening



4 Fold membrane into opening



The extremely high diffusion permeability due to the active diffusion function and the high water resistance of the pro clima SOLITEX EXTASANA offer the ultimate weathertightness protection during construction and for the lifetime of the building. The pro clima SOLITEX EXTASANA membrane is fixed directly to the outside of the external wall framing using staples, tape or adhesive. The recommended tape for sealing the overlapping joins or connections to smooth non-mineral adjoining surfaces is pro clima **TESCON EXTORA**. For connections to rough adjoining structural components or mineral surfaces, the pro clima ORCON adhesive is recommended. Overlaps of the pro clima SOLITEX EXTASANA must be a minimum of 150 mm, which may be taped with pro clima **TESCON EXTORA** to increase weathertightness. Repairs can also be made with pro clima **TESCON EXTORA** tape.

1. SOLITEX EXTASANA is applied to all exterior walls from below bottom plate to top plate. Fix securely to the frame with fasteners e.g. galvanised "LITTLE GRIPPERS", or 6mm – 8mm staples, or 20 mm large head galvanised clouts at 300 mm centres horizontally and vertically. Additional fixings should be used around each opening to be cut out e.g. windows and doors. In sea spray zones (ZONE D) all metal fixings must be stainless steel.
   NOTE: Check with timber suppliers for the correct type of fastenings to be used on treated timber.
2. When using SOLITEX EXTASANA either 2740 mm or 1500 mm width horizontally or vertically, a minimum of 150 mm lap is required at joins and all vertical overlaps must be made over studs which are to be taped with pro clima **TESCON EXTORA** to increase weathertightness. Any forced tears to be repaired with **TESCON EXTORA** tape.
   NOTE: Fastenings behind brick veneer cladding must have an equivalent service life to that of brick veneer (50 years). Refer to NZS 3604 Tables 4.1, 4.2, and 4.3.
3. SOLITEX EXTASANA is wide enough to come from below the bottom plate to the top plate, covering all window and door openings. SOLITEX EXTASANA will provide temporary weathertight protection during construction.
4. When ready to install doors and windows cut at each opening on a 45 angle away from each corner.
   Pull the SOLITEX EXTASANA flaps inside and fasten to frame.

   Apply **TESCON EXTOSEAL**.

   SOLITEX EXTASANA is not affected by wood preservatives.

   SOLITEX EXTASANA should not be used as a roofing underlay.

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➔ TECHNICAL NOTES

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 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 can be used as a wall underlay on 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 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 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'.

Delivery form:

Roll length	Roll width	Roll area	Roll weight
36.5 m	1.50 m	55 m^2	8.5 kg
36.5 m	2.74 m	100 m^2	16 kg

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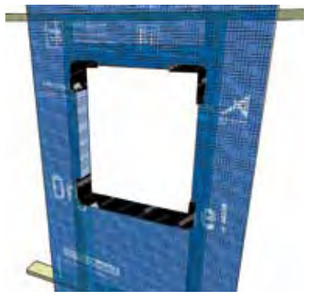
➔ SYSTEM COMPONENTS

5 Seal membrane at opening



Apply TESCON EXTOSEAL sill tape to wall openings as per NZBC Acceptable Solution E2/AS1 paragraph 9.1.5.

6 Sealing penetrations

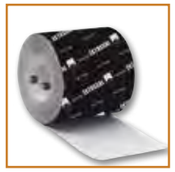
Use pro clima ROFLEX to seal pipe penetrations as per Acceptable Solution E2/AS1 paragraph 9.1.9.3. and pro clima KAFLEX for cable penetrations.

7 Connecting to rough or mineral surfaces

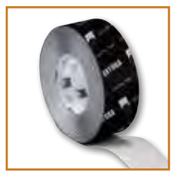
Use pro clima ORCON to adhere the SOLITEX EXTASANA to rough adjoining structural components or mineral surfaces.

Please note!

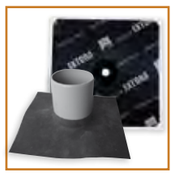
To ensure a durable, windproof and weathertight seal using the pro clima TESCON EXTORA around the windows, doors or other components, the surfaces must be stable, dry, smooth, free from dust, dirt, silicone and grease. Remove all unwanted material from the surfaces with a vacuum cleaner or cloth if necessary. It is important to remove flaking and loose materials such as peeling paintwork, building papers and labels. Adhesion to frozen surfaces is not possible. In case of doubt, adhesion tests should be carried out. The pro clima SOLITEX EXTASANA is designed to be used behind most typical cladding systems, provided it is not exposed to the weather or ultra-violet light for a period greater than 90 days.



TESCON EXTOSEAL
Sill Tape
One piece flexible Sill Tape for window and door openings.



TESCON EXTORA
Weathertight sealing tape
Windproof and weathertight sealing of wall underlays, roof underlays and other weathertightness layers.



KAFLEX / ROFLEX
Weathertight sealing grommets
Sealing grommets for cables and pipes that penetrate the membrane.

ORCON
Multi-purpose liquid adhesive
For connections to rough adjoining structural components or mineral surfaces.

„Note: The system components listed above, excluding TESCON EXTOSEAL when used to seal SOLITEX EXTASANA overlaps, are outside the scope of the Code Mark Certification."

Certificate of Installation

Please fill out all fields below and either fax or email a copy to Pro Clima NZ Limited.
Alternatively please go to our website www.proclima.co.nz to complete the Certificate of Installation. Thank you.

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CBD
Wellington 6140
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welcome@proclima.co.nz

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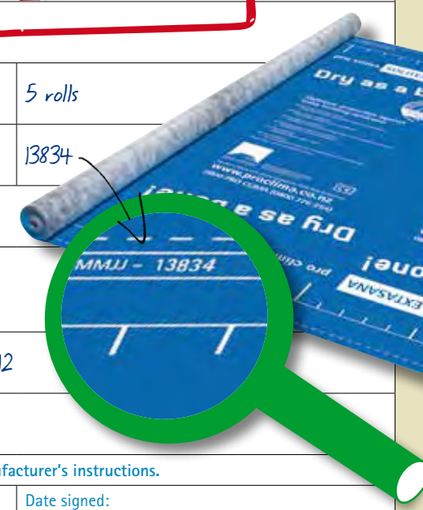
CERTIFICATE OF INSTALLATION			
Manufacturer's details:	**Pro Clima NZ Limited**		
Installer's company name:			
Date(s) of installation:		Quantity of material installed:	
Property/address where installation took place:		Batch number(s) of product installed:	
Location/zone where product(s) was installed:			
Comments on installation:			
Applicable installation instructions:			
Deviations from installation instructions:			
Installer Declaration:	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 1/2/2012, completed 15/2/2012	Quantity of material installed:	5 rolls
Property/address where installation took place:	Lot 51, 32 Bay Street, Coffs Harbour, Wellington 6012	Batch number(s) of product installed:	13834
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:	pro clima SOLITEX EXTASANA Installation Guide, Dated 1.1.2012		
Deviations from installation instructions:	None		
Installer Declaration:	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: 01/1/2012
Installer supervisor signature: Fred Henry	Supervisor Name: Fred Henry	Supervisor registration or approval number: BP234567	Date signed: 01/1/2012

EXAMPLE



SOLITEX

... the essential element to ensure optimum weathertightness protection for your home under all New Zealand climate conditions

For more information please contact us:

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In New Zealand pro clima also offers the INTELLO airtightness membrane.

The INTELLO membrane is part of the Intelligent Airtightness System "IAS" that is very innovative and effectively eliminates uncontrolled air leakage and moisture build-up within the construction.

The INTELLO membrane whilst being airtight acts also as a "vapour check" eliminating condensation, damp, mould and rot. The result is structural soundness, enhanced thermal performance, reduced CO_2 emissions and improved indoor air quality. Homes and buildings are healthier, warmer, drier and more energy efficient throughout all seasons and regions in New Zealand.

Healthy Indoor Air • YES PLEASE! •

pro clima®

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