

Installation Guide



BRANZ Appraised
Appraisal No.822 [2013]

pro clima

SOLITEX EXTASANA

Wall Protection Membrane



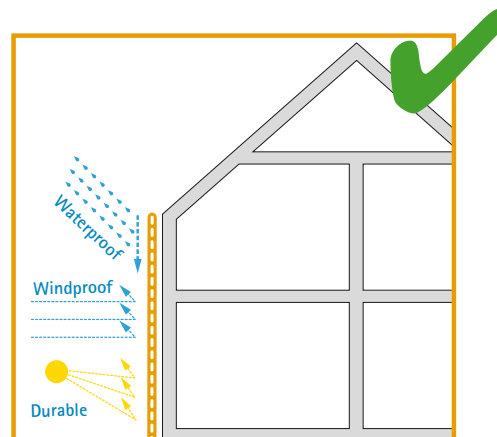
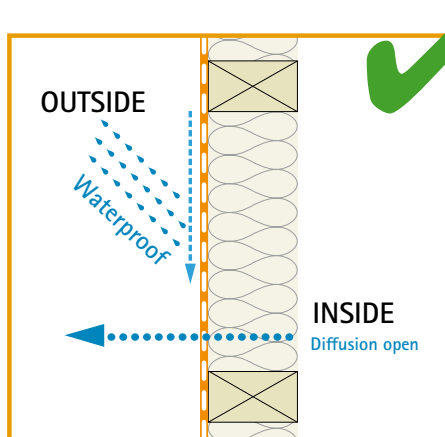
Waterproof

Windproof

Durable

Diffusion open

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



→ Installation Guide

CONTENTS

FEATURES AND ADVANTAGES	3
APPLICATION	4
TECHNICAL DETAILS	5
SYSTEM COMPONENTS	6
CERTIFICATE OF INSTALLATION	7
CONTACT DETAILS	8



→ FEATURES AND ADVANTAGES

SOLITEX EXTASANA

- ✓ new generation wall sarking
- ✓ watertight

- ✓ non-porous
- ✓ highly diffusion open due to the active diffusion function

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

SOLITEX EXTASANA

- ✓ **New generation wall sarking**
 - high performance monolithic nonporous membrane
- ✓ **High water resistance**
 - water column more than 10,000 mm membrane
- ✓ **Low vapour resistance**
 - MVTR lower than 0.75 MNs/g with active humidity transport
- ✓ **High durability under all conditions**
 - unaffected by wood preservatives
- ✓ **Thermostable**
 - thermostability above 100°C
- ✓ **UV stabilised**
 - stable under Australia's harsh UV-radiation of up to 42 days

SOLITEX EXTASANA is a unique non-porous watertight membrane. This enables the **SOLITEX EXTASANA** to provide high water resistance and high water vapour breathability.

SOLITEX EXTASANA has an extremely high tear resistance and its specialised membrane does not lead to rattling and noise attributed to other wall sarkings.

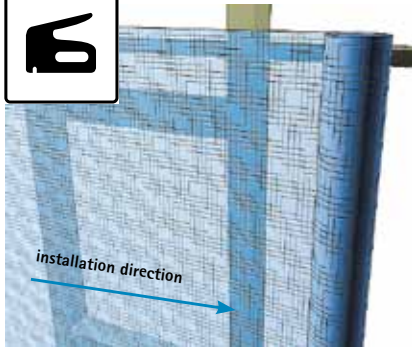
SOLITEX EXTASANA meets the edge-tear and tensile strengths of AS/NZS 4200.1, and increases productivity by providing temporary weather protection.

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.

→ APPLICATION

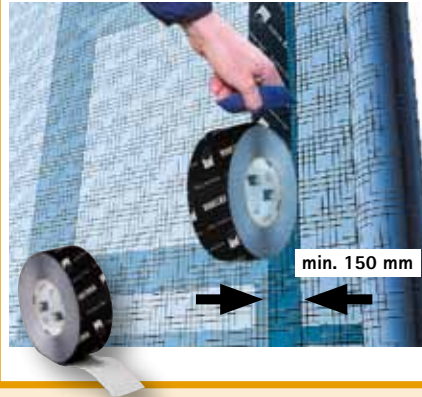
1 Roll out and fix membrane

fix securely to the frame at 300 mm centres horizontally and vertically



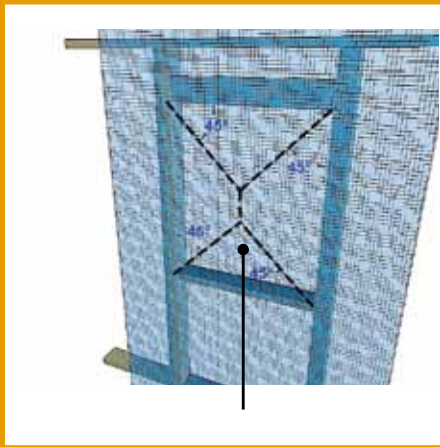
2 Vertical overlaps

minimum of 150 mm is required at vertical overlaps

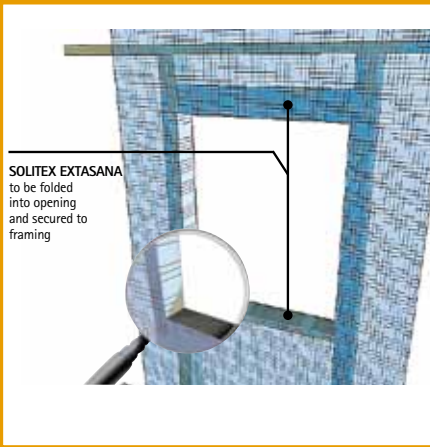


The extremely high diffusion permeability due to the active diffusion function and the high water resistance of the pro clima **SOLITEX EXTASANA** offer the ultimate weathertightness protection during construction and for the lifetime of the building. The pro clima **SOLITEX EXTASANA** membrane is fixed directly to the outside of the external wall framing using staples, tape or adhesive. The recommended tape for sealing the overlapping joints 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.

3 Cut membrane at opening



4 Fold membrane into opening



- SOLITEX EXTASANA** is applied to all exterior walls from below bottom plate to top plate. Fix securely to the frame with fasteners 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 all metal fixings must be stainless steel.

NOTE: Check with timber suppliers for the correct type of fastenings to be used on treated timber.

NOTE: In steel-framed construction it is necessary to use screw fasteners in lieu of staples.

- When using **SOLITEX EXTASANA** either 2740 mm or 1500 mm width horizontally, 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.
- 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.

NOTE: Fastenings behind brick veneer cladding must have an equivalent service life to that of brick veneer (50 years).

- 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.

SOLITEX EXTASANA is not affected by wood preservatives.

SOLITEX EXTASANA should not be used as a roofing underlay.

→ TECHNICAL DETAILS

SOLITEX EXTASANA has been assessed for use as a wall sarking on timber framed buildings within the following scope: Class 1 and Class 10 buildings; and, Class 2 to Class 9 buildings subject to specific weathertightness design; and, with absorbent wall claddings directly fixed to framing; and, with non-metallic, non-absorbent wall claddings directly fixed to frame; and, with absorbent and non-absorbent wall claddings installed over an 18 mm minimum drained cavity; and, with masonry veneer in accordance with the BCA; and, situated in non-cyclonic wind zones up to, and including N3.

SOLITEX EXTASANA has been assessed for use as a wall sarking on steel framed buildings within the following scope: Class 1 and Class 10 buildings; and, Class 2 to Class 9 buildings subject to specific weathertightness design; and, with absorbent and non-absorbent wall claddings installed over an 18 mm minimum drained cavity; and, with masonry veneer in accordance with the BCA; and, situated in non-cyclonic wind zones up to, and including N3.

Technical data:

Cover-fleece + protective-layer:		PP microfibre fleeces
Membrane:		monolithic TEEE film, waterproof, non-porous, diffusion open
Colour:		dark blue
Emittance AS/NZS 4201.5:		Non-reflective
Surface weight:		140 g/m ²
Temperature resistance:		-40°C to +100°C
μ (for WUFI calculations):		145
Thickness:		0.60 mm
Water column:		> 10,000 mm
Resistance to water penetration:	AS/NZS 4201.4	high
UV stability and outdoor exposure:	ASTM G154	42 days
Flammability:	AS 1530: Part 2	low
Duty:	Table 1 AS/NZS 4200.1.1994	Unclassified
Shrinkage:	AS/NZS 4201.3	can be used for the maximum run length
Tensile strength:	AS/NZS 4200.1 based on AS 1301: 448s	> 4 kN/m (MD); > 3kN/m (CD)
Edge-tear resistance:	AS/NZS 4200.1 based on TAPPI T470	> 200 N (MD); > 150 N (CD)
ph:	AS/NZS 1301.421s	6.7
MVTR-value:	AS/NZS 4200.1, water vapour resistance. Based on ASTM standard E96, Procedure B (wet cup).	low

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

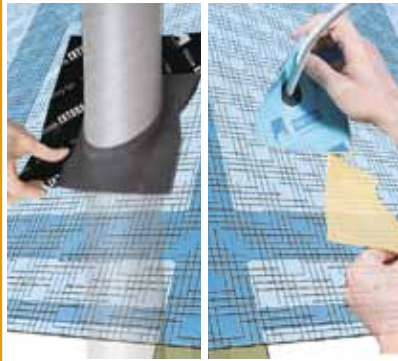
→ SYSTEM COMPONENTS

5 Seal membrane at opening



Apply TESCON EXTORSEAL sill tape to wall openings

6 Sealing penetrations



Use pro clima ROFLEX to seal pipe penetrations 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!

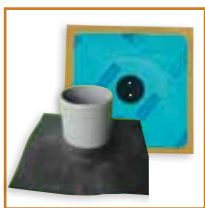
To ensure a durable, windproof and weathertight seal using the pro clima TESCON EXTORA around the windows, doors or other components, the surfaces must be stable, dry, smooth, free from dust, dirt, silicone and grease. Remove all unwanted material from the surfaces with a vacuum cleaner or cloth if necessary. 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 Australia's harsh UV-radiation for a period greater than 42 days.



TESCON EXTORA

Weatherproofing tape

Windproof and weathertight sealing of wall sarking and other weathertightness layers.



KAFLEX / ROFLEX

Weatherproofing 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 are outside the scope of the BRANZ Appraisal.“

Certificate of Installation

Please fill out all fields below and email a copy to Pro Clima Australia Pty Ltd.
Alternatively please go to our website www.proclima.com.au to complete the Certificate of Installation. Thank you.

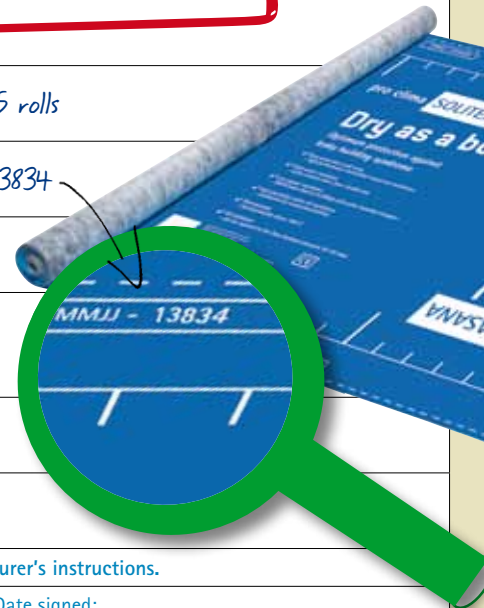
Pro Clima Australia Pty Ltd
PO BOX 924
Gosford
NSW 2250
Phone: 1800 pro clima (1800 776 254)
Email: welcome@proclima.com.au
Web: www.proclima.com.au



CERTIFICATE OF INSTALLATION			
Manufacturer's details:	Pro Clima Australia Pty Ltd		
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 Australia Pty Ltd		
Installer's company name:	ABC Builders		
Date(s) of installation:	Started 1/2/2013, completed 15/2/2013	Quantity of material installed:	5 rolls
Property/address where installation took place:	Lot 51, 32 Bay Street, Coffs Harbour, VIC 2608	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 2013-08		
Deviations from installation instructions:	None		
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:
Trevor Jones	Trevor Jones	BP123456	01/9/2013
Installer supervisor signature:	Supervisor Name:	Supervisor registration or approval number:	Date signed:
Fred Henry	Fred Henry	BP234567	01/9/2013



SOLITEX

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

For more information please contact us:

Passive House Pty Ltd

Office & Showroom:
7-9 Raglan St, North Melbourne VIC 3051

Warehouse:
Factory 4, Rear 93 Matthews Ave, (enter via Rodd Rd carpark)
Airport West VIC 3042

Phone: 03 9329 3693
Web: www.passivehouse.com.au
Email: web@passivehouse.com.au

Pro Clima Australia Pty Ltd

Phone: 1800 pro clima (1800 776 254)
Email: welcome@proclima.com.au
Web: www.proclima.com.au

In Australia 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 CO₂ emissions and improved indoor air quality. Homes and buildings are healthier, warmer, drier and more energy efficient throughout all seasons and regions in Australia.

