



SOLITEX EXTASANA ADHERO[®]

Mass Timber Application Guide



Self-Adhesive Weather Protection for Walls and Roofs

Fully adheres to mass timber substrates for ultimate protection from the weather during construction





Floor – Weather Protection System



1

Check Substrate

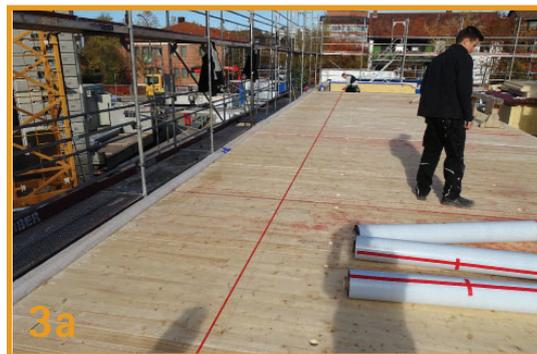
Clean any adhered dirt or debris from the surface with a scraper and remove sharp protrusions such as screws or splinters.



2

Remove Loose Material

Remove any remaining loose material; sand, dirt, debris or metal filings.



3a

Calculate and Mark Guideline

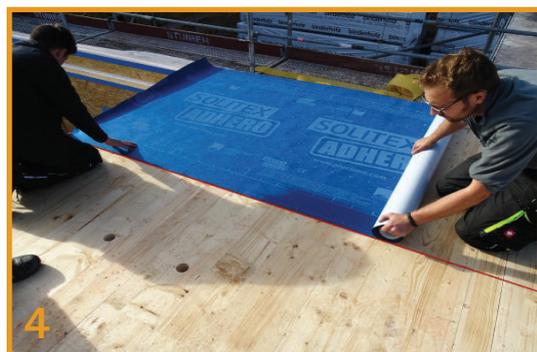
Mark the position where the first layer of membrane will be laid on the surface using a chalk line.



3b

Plan Ahead

Plan the marking and installation in such a way that enables maximizes coverage inclusive of overlaps.



4

Apply the Membrane

Place SOLITEX EXTASANA ADHERO® in position such that the edge aligns with your marking.



5

Adhere to the Subsurface

Roll out the membrane along the marking and gradually adhere it to the subsurface.

IMPORTANT

Debris such as screws or stones might lead to penetration of the membrane if not removed prior to application.

Timber should be dry to allow best adhesion with the timber surface.



SOLITEX EXTASANA ADHERO® Full-adhesive backed membrane protects roofs, walls and intermediate ceilings/floors against moisture.



PRESSFIX XL

A large malleable plastic tool for applying pressure to **pro clima SOLITEX EXTASANA ADHERO®** to ensure long-term durable bonding.

SYSTEM

Weather Protection System

Floor



IMPORTANT

Air bubbles and voids should be avoided during application by using the **PRESSFIX XL** to smooth the **SOLITEX EXTASANA ADHERO®** into place working progressively along the membrane and applying pressure.

Using a new and stiff broom is an alternative to apply pressure onto the membrane, however **PRESSFIX XL** must be used on all overlaps and joints.

Adhesion of connections to rough or dirty substrates should be pre-treated using **TESCON® PRIMER RP**.

**TESCON® PRIMER RP**

Applied to substrates to prepare for optimum adhesion such as concrete, masonry, timber, fibre cement, plywood, oriented strand board (OSB), and other porous or friable surfaces.

**TESCON EXTORA®**

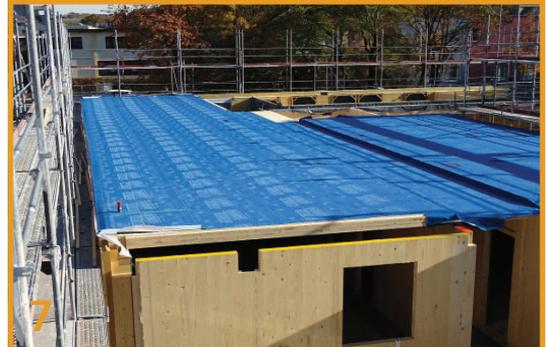
Pressure-sensitive adhesive tape for overlaps and end laps in **SOLITEX EXTASANA®** system.



6

Press the Membrane Firmly into Place

Rub the membrane firmly into place – e.g. using a brush or **PRESSFIX XL**.



7

Install the Remaining Membranes

Stick the next membrane in place with 150 mm overlap onto the previous membrane. Rub the membrane overlap with **PRESSFIX XL**.



8

Method For Sealing Butt Joints

The joint can be sealed using **TESCON EXTORA®** and must have a min. of 50 mm adhesion. Adhere in place with no folds or creases using **PRESSFIX**.



9

Join to Interior Walls

Use **TESCON EXTORA®** 150 mm, overlap min. 50 mm on to the membrane and extend up the CLT panel by approx. 100 mm.



10

External Corners

Use **TESCON EXTOSSEAL®** 150 mm, overlap min. 50 mm onto the membrane, form around the corner and extend up the CLT panel by 100 mm.



11

Drainage of Surface

Ensure that drainage of surfaces is possible using dedicated **ADHERO Floor Drains**. Create 65 mm hole using a holesaw.



IMPORTANT

Work carefully, check possible damages on a daily basis and ensure damage is repaired immediately.



12

Installation of ADHERO® Floor Drain

Insert the ADHERO® Floor Drain into the hole and, if necessary, secure with countersunk screws.



13

Seal ADHERO® Floor Drain

Seal the flange using TESCON EXTORA® adhesive tape with no folds or creases to cover approx. 30 to 50 mm of both the membrane and the ADHERO® Floor Drain.



14

Back Filling Between Panels

Fill any large voids that cannot be taped with ORCON® CLASSIC. Panel joints sometimes result in unavoidable gaps that cannot be sealed with TESCON EXTORA®.



15

Working Carefully

The purpose of this membrane should be explained to all parties involved in the construction project. Use suitable protection (e.g. boards or mats).



ADHERO® Floor Drain

Facilitates simple, reliable drainage of surface water during the construction period.



16

Fix Penetrations

To avoid leakage and soaking of the timber panel adhere TESCON EXTORA® tape overlapping onto undamaged membrane by at least 30 mm. Smooths adhesive joints firmly using PRESSFIX.



17

High-Traffic Areas

Take special care at high traffic areas and protect with boards or mats to prevent wear and tear.



TESCON EXTOSEAL®

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

SYSTEM

Weather Resistive Barrier

Wall



Wall – Weather Resistive Barrier

IMPORTANT

The release film is split into two parts that are 250 mm and 1250 mm wide. The 250 mm-wide application zone is stuck in place first. To ensure that the wider release film can be removed more easily later on, pull off a corner of this film and fold it over. This will then be easier to grip later on.



PRESSFIX XL

A large malleable plastic tool for applying pressure to pro clima SOLITEX EXTASANA ADHERO® to ensure long term durable bonding.

**1** Check Substrate

Check substrate to ensure it is even and free from any protrusions, nails, screws etc. This will not be able to be rectified easily after membrane adhesion.

**2** Calculate and Mark Guideline

Decide on the position of the first membrane and mark this on the wall. Determine the membrane length.

**3** Line the Internal Corners

For interior corners, cut a strip of ADHERO® that is at least 400 mm in width and adhere it in place with equal length on each of the walls.

**4** Line the External Corners

If necessary, repeat for exterior corners using a strip at least 400 mm in width and adhere it in place with equal length on each of the walls.

**5** Cut Membrane and Roll Out

Cut the membrane to required length. Markings make your work easier. Roll up the cut strips such that the release film faces outward.

**6** Remove Split Release Film

The 250 mm-wide application zone is stuck in place first. Pull off a corner of this film and fold it over. This will then be easier to grip later.



IMPORTANT

Air bubbles and voids should be avoided during application by using the PRESSFIX XL to smooth the SOLITEX EXTASANA ADHERO® into place working progressively along the membrane. In some cases if the substrate material heats up in the sun it is possible that the substrate off gases causes small bubbles to appear even through the membrane was installed smooth. This does not affect the functionality, longevity or durability of the product.



7

Apply Membrane to Align with Internal Corner
Remove approx. 200 – 300 mm of the release film of the upper application zone. Position the membrane at the marking (on the wall) and attach to the wall.



8

Overlap Corner Strip
Adhere only the 200 – 300 mm released part of the application zone. Ensure that the membrane covers at least 150 mm of the corner strip.



9

Apply Membrane Without Internal Corner
To form the corner, guide at least 150 mm of the membrane around the corner. Apply pressure and smooth ADHERO® using PRESSFIX XL.



10

Apply Membrane Without External Corner
Wrap SOLITEX EXTASANA ADHERO® at least 150 mm around external corners. Apply pressure and smooth ADHERO® using PRESSFIX XL.



11

Roll Out the Membrane
Continue rolling out the first membrane aligning with the marked line. Gradually remove the release film of the application zone and adhere in place.



12

Adhere the Entire Section
Smooth the membrane into place using PRESSFIX XL adhering the membrane to the substrate, avoiding air bubbles and folds. Apply pressure for good adhesion.

SYSTEM

Weather Resistive Barrier

Wall



IMPORTANT

TESCON EXTOSEAL® installation video is available below.



TESCON EXTOSEAL® APPLICATION

**Overlap Membrane Layers**

Apply membranes - one by one - horizontally in an overlapping, waterproof manner. The minimum overlap for membranes is 150 mm.

**Alternative: Vertical Application**

Attach the membrane at the highest point. Gradually remove the release film strips by pulling them downward. Apply pressure using PRESSFIX XL.

**Cut Out Window Openings**

When the membrane is adhered over any window openings. To cut out the opening, cut the membranes as indicated with the red line using a knife.

**Stick Membrane to Reveal**

Once SOLITEX EXTASANA ADHERO® has been cut out, fold it onto the reveal and adhere it in place. Smooth the membrane firmly into place using PRESSFIX XL.

**PRESSFIX**

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

**Fold All Laps into The Reveal & Adhere**

Fold all flaps into the reveal & smooth the membrane firmly into place using PRESSFIX XL.

**Apply Sill Flashing – TESCON EXTOSEAL®**

Sill Tape should extend minimum 150 mm up the jambs. Using PRESSFIX on TESCON EXTOSEAL®, press the corners into place. Refer to the TESCON EXTOSEAL® Application Guide.



IMPORTANT

TESCON EXTOSEAL® is required to be stretched at the window corners. Overstretching TESCON EXTOSEAL® can lead to thinning and tearing.

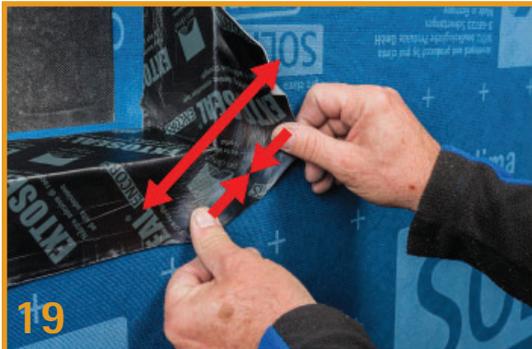
Where TESCON EXTOSEAL® has been overstretched or damaged, apply a butterfly of TESCON EXTORA®.



ORCON® CLASSIC
A durable airtight sealing glue suitable for bonding all pro clima products to any building material, smooth or rough, masonry or timber.



KAFLEX mono/duo
Airtight sealing grommets made of strong and flexible EPDM with adhesive flange for ease of installation.



19

TESCON EXTOSEAL® – Corner Application
Adhere the 50 mm release strip to face assuring no tearing has occurred. Refer to the TESCON EXTOSEAL® Application Guide.



20

Seal Exposed Framing at Top Corners
TESCON EXTOSEAL® pieces extending min. 200 mm in either direction shall be adhered over the top corners.



21

Connect to Foundation
When sealing to rough substrates like concrete, apply a bead of ORCON® CLASSIC at a thickness of at least 5 mm. Do not press the adhesive completely flat.



22

Repair Abrasions Using TESCON EXTORA®
Adhere TESCON EXTORA® tape overlapping onto undamaged membrane by at least 30 mm. Smooth adhesive joints firmly using a PRESSFIX.



23

Repair Using SOLITEX EXTASANA ADHERO®
As an alternative, defects can be repaired by adhering a piece of SOLITEX EXTASANA ADHERO® onto them. Smooth adhesive joints firmly using a PRESSFIX XL.



24

Sealing Cable Penetrations
Place a KAFLEX sealing grommet over round cables and adhere it to the membrane. Smooth adhesive joints firmly with a PRESSFIX.

SYSTEM

Weather Resistive Barrier

Wall

**TESCON EXTORA®**

Pressure sensitive adhesive tape for joints & junctions in the SOLITEX EXTASANA ADHERO® system.



25

Sealing Pipe Penetrations

Select the correct sized ROFLEX grommet and adhere to the subsurface using TESCON EXTORA® tape. Ensure unders and overs are in a diamond pattern then smooth adhesive joints firmly with a PRESSFIX.



26

Rafter / Joist / Beam Connections

Seal angular penetrations using TESCON EXTORA® PROFIL tape. Smooth adhesive joints firmly with a PRESSFIX.

**TESCON® NAIDECK**

A double-sided self-sealing strip, designed to seal penetrations.



27

Screw / Nail Sealing

If brackets or similar parts are to be attached to the wall, use TESCON EXTOSEAL® patches or TESCON® NAIDECK for nail / screw sealing.



28

Additional Technical Information

www.proclima.com.au/solitex-extasana-adhero
www.proclima.co.nz/solitex-extasana-adhero

**ROFLEX**

Sealing grommet made of strong and highly flexible EPDM for rapid and permanent weathertight sealing of pipe penetrations.



IMPORTANT

TESCON® PRIMER RP is a primer that penetrates into the sub-surface of porous substrates locking up loose particles and creating a highly adhesive substrate for the SOLITEX EXTASANA ADHERO® to be applied. SOLITEX EXTASANA ADHERO® can be applied while the TESCON® PRIMER RP is still tacky or fully dry. ORCON® CLASSIC is required when sealing to uneven masonry surfaces and can be applied over surfaces prepared with TESCON® PRIMER RP.



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

		TESCON EXTORA®	TESCON EXTORA® PROFIL	TESCON EXTORSEAL®	ORCON® NAUDECK	CONTEGA® CLASSIC	KAFLEX® IQ	KAFLEX mono/duo	ROFLEX	DUPLEX	TESCON® PRIMER RP
Timber, OSB, Plywood	dirty		✓								✓
	clean	✓	✓	✓	✓						✓
Plaster board	clean	✓	✓	✓	✓						✓
Paint primers		✓	✓	✓	✓	✓				✓	✓
AEROSANA® VISCONN	dry / clean	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PIR Polyisocyanurate	on foil	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	on PIR										
XPS Extruded Polystyrene	clean	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
EPS Expanded Polystyrene	clean	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Expanding foams	dry										
Cement/Gypsum plaster	smooth	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	rough				✓						✓
	friable										✓
Acrylic plaster	smooth	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	rough				✓						✓
Steel	galvanized	✓	✓	✓	✓					✓	✓
	bright	✓	✓	✓	✓					✓	✓
	painted	✓	✓	✓	✓					✓	✓
Aluminium	clean	✓	✓	✓	✓					✓	✓
Brickwork	rough				✓						✓
	friable										✓
Dampcourse	aluminium				✓						✓
	polyethene				✓						✓
Chemical tremite barrier	blue	✓	✓	✓	✓	✓				✓	✓
	orange	✓	✓	✓	✓	✓				✓	✓
Concrete	smooth	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	rough				✓						✓
Fibre cement	clean	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	friable										✓
Window Frames	aluminium	✓	✓	✓	✓	✓				✓	✓
	PVC	✓	✓	✓	✓	✓				✓	✓
	timber	✓	✓	✓	✓	✓				✓	✓
Cables	flat	✓	✓	✓	✓		✓				
	round	✓	✓	✓	✓		✓				
Pipes / ductings		✓	✓	✓	✓			✓			

Notes:

- Surface should always be dry.
- TESCON® PRIMER RP is always recommended for mineralic surfaces.

pro clima SOLITEX EXTASANA ADHERO® Adhesion Matrix

SOLITEX EXTASANA ADHERO® is compatible with all pro clima Adhesive Tapes and Sealants. Optimum weatherproofing is achieved when wind tight connections are made between SOLITEX EXTASANA ADHERO® and other building materials and components. The table above provides guidance on the use of pro clima Adhesive Products when used to connect the SOLITEX EXTASANA ADHERO® system with other common building materials.

SYSTEM

Weather Resistive Barrier

Wall



Recommendations and requirements

- SOLITEX EXTASANA ADHERO®, TESCON EXTORA® and TESCON EXTOSEAL® form a continuous system. Any damage or tears should be patched immediately.
- SOLITEX EXTASANA ADHERO® is to be installed with the printed side facing the installing contractor.
- SOLITEX EXTASANA ADHERO® can be installed on stable subsurfaces, CLT transitions with ply, fibre cement, cementitious surfaces and rigid air barriers.
- Timber structure should be below 18% moisture content by mass prior to installing membranes.
- To achieve weathertight installation, membranes must be installed with no folds or creases. When installing the membranes, rub them firmly into place using PRESSFIX XL.
- SOLITEX EXTASANA ADHERO® when used over a rigid substrate may be used as a temporary weather protection to allow the internal lining of framed buildings to proceed before the wall cladding is installed.
- Any staples, damage, penetrations, or mechanical fixings used during installation may limit SOLITEX EXTASANA ADHERO® as temporary weather protection. Use of TESCON EXTORA®, TESCON EXTOSEAL® patches or TESCON® NAIDECK can maintain the performance of SOLITEX EXTASANA ADHERO® for temporary weather protection.
- SOLITEX EXTASANA ADHERO® has up to 180 days UV exposure limit prior to cladding in facade application.
- SOLITEX EXTASANA ADHERO® can provide temporary protection for intermediate floors on multi-storey CLT (cross-laminated timber) or wooden-frame buildings during construction for a period of up to 30 days.
- Water is to be drained from the surface of the building component using ADHERO® Floor Drain. A short-term build-up depth of 30 mm must not be exceeded. Water should be drained as quickly as possible.
- Any presence of surfactants such as oil, grease or detergents may compromise the adhesion properties of the system.
- SOLITEX EXTASANA ADHERO® is not intended to form part of a permanent weathertight solution for zero degree pitched mass timber roofs.
- Clean subsurfaces before sticking. Adhesion is not possible on frozen or wet surfaces. There must be no water-repellent substances (e.g. grease or silicone) on materials to be bonded. Subsurfaces must be sufficiently dry and stable.
- It is your responsibility to check the suitability of the subsurface; adhesion tests are recommended in certain cases. Pre-treatment with TESCON® PRIMER is required in the case of adhesion to subsurfaces that have insufficient stability.
- If SOLITEX EXTASANA ADHERO® is applied during the pre-fabrication stage, TESCON EXTORA® must be used to stick the element/membrane joints. Select the width so that a width of at least 50 mm can be stuck on both of the elements.

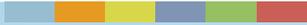
Certification



Your local support

NEW ZEALAND
0800 PRO CLIMA (776 254)
Technical: support@proclima.co.nz
General: welcome@proclima.co.nz
www.proclima.co.nz

AUSTRALIA
1800 PRO CLIMA (776 254)
Technical: support@proclima.com.au
General: welcome@proclima.com.au
www.proclima.com.au



The facts presented refer to the state of current research and practical experience. We reserve the right to make changes to the recommended designs and processing as well as the further development and the associated quality change of individual products. We are happy to inform you about the current state of technical knowledge should you contact us directly.



05-09-2023

Pro Clima Australia Pty Ltd

Freephone: 1800 PRO CLIMA (776 254) · welcome@proclima.com.au

www.proclima.com.au

Pro Clima New Zealand Ltd

Freephone: 0800 PRO CLIMA (776 254) · welcome@proclima.co.nz

www.proclima.co.nz

