PREFINISHED SELFLOK MANUAL

UrbanECOTM is Weathertex's innovative pre-finished natural timber cladding and architectural panels collection.

What is Weathertex?

100% Australian made and owned, Weathertex® Weatherboards are manufactured from native Australian hardwood timber. Weathertex sources timber from sustainably managed forests and controlled sources audited under the Australian Forestry Standard (AFS) and Certified by PEFC: the world's largest forest certification scheme.
Weathertex proudly delivers natural, long-lasting timber products to customers in Australia and around the world. With a better than zero carbon footprint, Weathertex strives to provide quality products which enable creative and sustainable design for the future.

Why use prefinished?

- Durable and low maintenance – able to withstand Australian weather conditions with a 15 year warranty on paint.
- Easy to install – lightweight, quick to assemble using standard DIY tools.
- Cost and time efficiencies - less time and money spent on site. No painter required.
- Flexibility - can be installed all year round, regardless of weather conditions.
- Design - available in smooth profiles with a wide range of COLORBOND© inspired colours to deliver an individual approach to building design.

Storage

Weathertex products must be installed in a dry state and stored flat, under cover and clear of the ground. Original pallet packaging is not intended to be waterproof. When storing outside, cover with waterproof materials to prevent water staining.

Manufacturers Warranty

Underpinned by our 25 year guarantee not to rot, split or crack; Weathertex proudly delivers natural, long-lasting timber products to customers in Australia and around the world. The manufacturers warranty can be downloaded from the website or via the QR code in this manual.

Click here for online version of this guide, including updates.

Selflok board range available as part of UrbanECO

SELFLOK ECOGROOVE 150^ SMOOTH

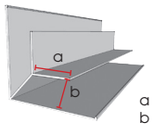
SELFLOK ECOGROOVE 300^ SMOOTH

Specifications

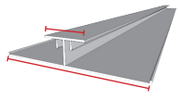
Length	3660mm
Width	298mm
Thickness	9.5mm
Lap	20mm

^ Refers to groove spacing

Accessories

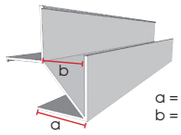


SMALL LF INTERNAL CORNER



LONG VERTICAL ALUMINIUM JOINER

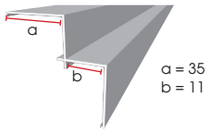
WRAP SHIELD



SMALL LF EXTERNAL CORNER

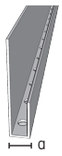
SMALL ALUMINIUM END STOP

CAVITY TRIM 45 X 9.5 MM

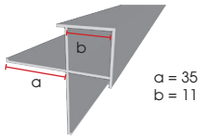


TRADITIONAL SMALL INTERNAL CORNER

SELFLOK STARTER STRIP



LARGE CAVITY CLOSER

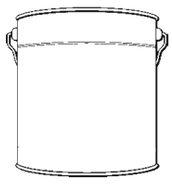


TRADITIONAL SMALL EXTERNAL CORNER

SMALL CAVITY CLOSER

PVC PLANK JOINERS

Other Accessories



TOUCH UP PAINT

FLEXIBLE POLYURETHANE FILLER

Cutting & Safety

The unique manufacturing process at Weathertex facilitates the production of highly durable, reconstituted exterior-grade cladding without the need for the hazardous chemical additives, crystalline silica, resins, binding agents or formaldehydes which are present in alternate light weight cladding products on the market. Not only does this allow offcuts and waste to be recycled as mulch or fuel, but is safe and easy to cut and shape with a normal hand or power tools.

Standard health and safety precautions should be taken when working with timber products. Machine tools should be fitted with dust extractors and work areas kept clean. If dust levels exceed Worksafe Australia Standards the wearing of a dust mask (AS 1715 and AS 1716) and safety glasses (AS 1337) is recommended.

Sealing Cut Edges

Sawn edges must be sealed with high quality exterior acrylic primer or solvent based oil alkyd prior to installation.

Ground Clearance

Allow at least 100mm clearance between the bottom edge of Weatherboards from paved surfaces which are exposed to the weather and at least 225mm clearance to unprotected ground. The grade of adjacent finished ground must slope away from the building to avoid the possibility of water accumulation.

On walls projecting from the roof line in upper storey construction, keep the bottom edge of Weathertex Weatherboards 70mm clear of the lower storey roof claddings.

Moisture Management & Flashing

It is the responsibility of the Designer or Specifier to identify moisture related risks associated with any particular building design. Wall construction design must effectively manage moisture, considering both the interior and exterior environments of the building, particularly in buildings that have a high risk of wind driven rain or are artificially heated or cooled.

In addition, all wall openings, penetrations, junctions, vertical and horizontal joins, connections, window heads, sills and jambs or other components, must incorporate appropriate NCC complying flashing methods and materials for waterproofing to prevent moisture exposure on the back of the Weathertex. Failure to appropriately flash all penetrations will void the Weathertex Manufacturer's Warranty.

Wall Wrap

A vapour permeable membrane must be used under all Weathertex products in accordance with AS/NZS 4200.2 and the manufacturer's specifications. The vapour permeable membrane allows for the controlled escape of vapour from within the building whilst restricting the ingress of liquid moisture.

The vapour permeable membrane must be in accordance with AS/NZS 4200.1 and:
- Have a LOW vapour resistance,
- Provide a HIGH water barrier*

*sarking products are unsuitable if "unclassified" as a water barrier.

Soft compressible insulation installed directly between the front of the wall studs and Weathertex cladding can cause installation issues and is not recommended.

Weathertex recommends the use of the Weathertex Wrapshield in conjunction with the Weathertex Cavity Installation System to provide the best protection against condensation problems such as mould, timber rot, corrosion and loss of thermal resistance.

The designer/architect/engineer should consider strategies to mitigate condensation risks in the design with relevance to local climate conditions. Resources such as the ABCB Condensation Handbook and NATSPEC offer general information on condensation principles.

Maintenance

The extent and nature of maintenance will depend on the geographical location and exposure of the installation. Regularly wash the painted surface with water to remove dirt and grime and to improve the performance of the coating.

Thoroughly inspect topcoat paint work at the end of year 1 and repair areas of damage/coating. Repeat inspection process at year 5 and based on the results of this condition survey make a decision on future maintenance actions, which may include touch up/repair of areas or a full recoat.

Additional basic maintenance tasks include but are not limited to controlling vegetation and garden beds close to the installation, keeping gutters and pipes clear and replacement of penetrations, flashings and sealants used in installation as required.

Termite Protection

Weathertex is a termite resistant product as determined by CSIRO 'Graveyard Testing,' and is warranted provided that a termite mitigation plan and its maintenance can be demonstrated. The BCA specifies the requirements for termite barriers in addition to local, state and federal regulations.

Thermal Efficiency

Weathertex cladding products offer great environmentally responsible and cost saving benefits when combined with an insulated wall systems. Including Weathertex in an insulated wall system will contribute to meeting sustainability targets under the Building Sustainability Index (BASIX) for NSW development applications and the contribute to a "Star rating" under the Nationwide House Energy Rating Scheme (NatHERS) initiative of the Australian Greenhouse Office.

A variety of simple and effective wall insulation systems are available and advice should be sought from relevant insulation manufacturers. Note: For R-value calculation of a system; Weathertex Thermal conductivity = 0.195 W/mK, or R = 0. 05m2K/W per 9.5mm thickness.

Fire Resistance

Weathertex can achieve fire ratings (FRL) of 60/60/60 & 90/90/90 when constructed with additional fire rated linings.

Weathertex has been tested to AS/NZS 3837 and has an average specific extinction area of 63m2/kg and is a Group 3 material.

The following table contains Weathertex early fire indices as determined by AS 1530.3.

Early Fire Hazard Indicies	
Ignitability Index	14
Spread of Flame Index	7
Heat Evolved Index	6
Smoke Developed Index	4

Bushfire Compliance

Weathertex meets the requirements of AS3959 for up to and including BAL 19 construction.

scan here for our BCA compliance document...

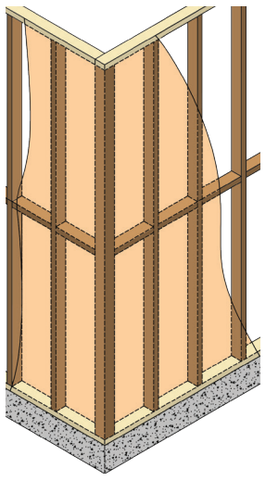
and here for technical downloads.

Installation Method

Frame preparation

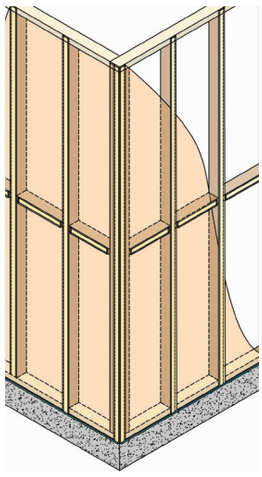
Weathertex may be installed direct to timber framing, on a Weathertex cavity system or on steel framing. In each case follow the specific frame preparation instructions below before installing Weathertex weatherboards.

Direct to Timber



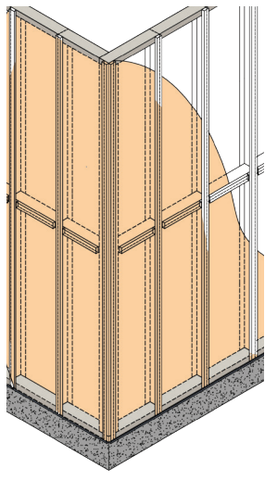
Step 1 Check and straighten sub-structures as required
Step 2 Install windows and appropriate flashings for all penetrations and openings
Step 3 Install vapour permeable sarking
Step 4 Fit Weathertex aluminium corner accessories
Step 5 Set a horizontal datum around the perimeter of the install and fit the Selflok Stater Strip, butt joining successive lengths (may overhang the baseplate up to 20mm)

Cavity Installation



Step 1 Check and straighten sub-structures as required
Step 2 Install windows and appropriate flashings for all penetrations and openings
Step 3 Install the small cavity closer accessory
Step 4 Install vapour permeable sarking
Step 5 Attach Weathertex 45x9.5mm cavity trim vertically to each stud, inserting the bottom into the cavity closer
Step 6 Fit Weathertex aluminium corner accessories
Step 7 Set a horizontal datum around the perimeter of the install and fit the Selflok Stater Strip, butt joining successive lengths (may overhang the cavity closer up to 20mm)

Steel Frame



Step 1 Check and straighten sub-structures as required
Step 2 Install windows and appropriate flashings for all penetrations and openings
Step 3 Install the cavity closer accessory appropriate to the thickness of thermal break material being used
Step 4 Install vapour permeable sarking
Step 5 Attach thermal break battens vertically to each stud, inserting the bottom into the cavity closer
Step 6 Fit Weathertex aluminum corner accessories
Step 7 Set a horizontal datum around the perimeter of the install and fit the Selflok Stater Strip, butt joining successive lengths (may overhang the cavity closer up to 20mm)

Fasteners & Fixing

Structural wind load testing has been conducted in accordance with AS/NZS 4040 for non-cyclonic and cyclonic conditions. Wind classifications are determined as defined in AS4055 using a local pressure factor for planks within 1200mm of the building corner.
Minimum requirements for fasteners must be met for performance and wind zone classifications to be applicable.

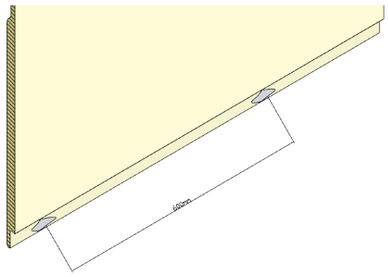
SOFTWOOD TIMBER FRAMES - Fastner selection				
Max Design Pressure	Non- Cyclonic Zone	Cyclonic Zone	Fastener Details	Max Stud Spacing
	N1, N2, N3	N/A	Weathertex Nail	450
	N1, N2, N3	N/A	Flathead Screw	450
	N1, N2, N3	N/A	Weathertex Nail	450

0.55mm BMT STEEL FRAME				
Max Design Pressure	Non- Cyclonic Zone	Cyclonic Zone	Fastener Details	Max Stud Spacing
	N1, N2, N3	N/A	Flathead Screw	450

1. Fasteners must be driven flush to the board surface as overdriving will dramatically reduce the holding capacity.
2. Minimum fastener length must be increased where any packing or thermal break material is used to ensure sufficient penetration into the structural sub frame.
3. Steel framing may be at minimum 0.55mm BMT. Recommended fasteners may not be applicable for steel greater than 1.2mm BMT.
4. All fasteners must be galvanised or suitably coated to resist corrosion for external application. When installed in high corrosion zones such as coastal locations, fasteners must be made of materials appropriate to the durability required of the project. Contact fastener manufacturers for more information.

Weatherboard Installation

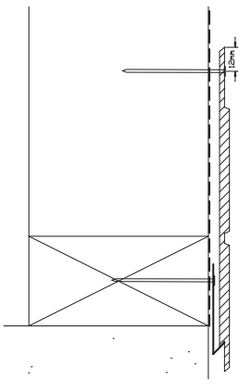
Step 1



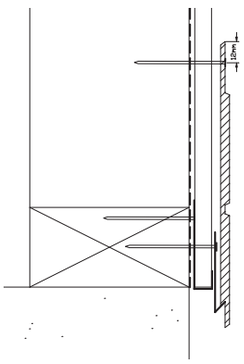
Place a dab of flexible sealant every 600mm in the V-notch of the Selflok rebate.

Step 2

Direct

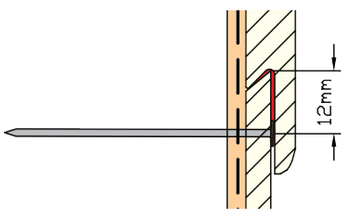


Cavity



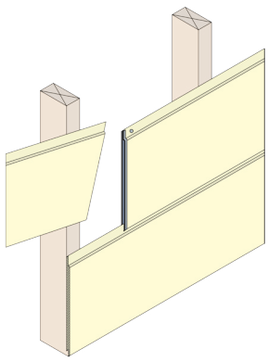
Install the first row of boards by engaging the bottom rebated edge into the stater strip.

Step 3



Fix planks at every stud 15mm down from the top edge so that fixings will be fully concealed by the overlap of the next row. Fixings must be flush and not overdriven.

Step 4



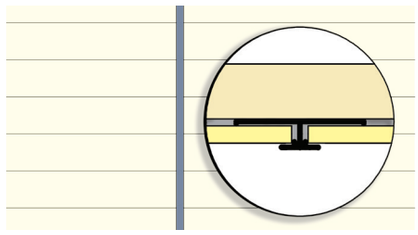
Fit joiners as work proceeds. See `Joining Methods' for all Options.

Step

Install successive rows by applying downward pressure, maintaining level and ensuring complete engagement of the selflok rebate.

Joining Method

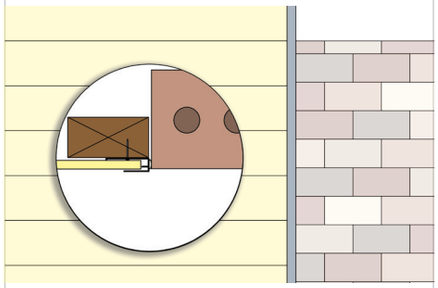
Off Stud Joiners



Planks may be joined successively with the appropriate off-stud PVC Traditional Joiner. Stagger joins randomly throughout the wall with joins being formed midway between studs. Joiners may be cut to fit around penetrations and eaves as required.

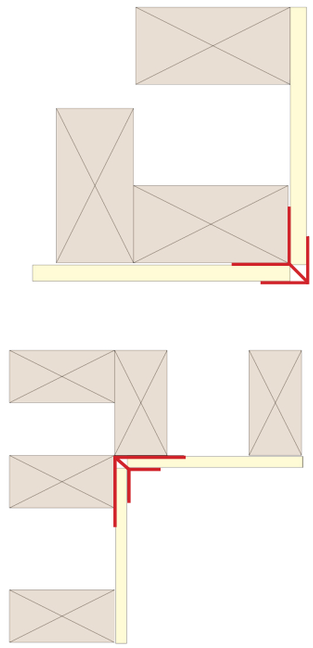
Alternatively, plank ends may be aligned and joined with the Weathertex Long Vertical Aluminum Joiner

End Stops



Weathertex Aluminum End Stops may be used vertically where planks butt into penetrations or masonry

LF Accessories



Weathertex Small Internal LF and Small External LF corner accessories provide a modern and clean finish to wall junctions.

weathertex

timber made perfect, naturally

weathertex.com.au | 1800 040 080 | /company/weathertex

/weathertexptyltd | /weathertexcladding | /weathertex1

For additional construction details visit the Weathertex website or call our customer service line 1800 040 080.