PREFINISHED PRIMELOK INSTALLATION MANUAL

UrbanECO™ is our innovative pre-finished range of natural timber cladding and architectural panels.

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?

Design - Available in smooth profiles with a wide range of COLORBOND© inspired colours.
Durable - The high quality and reliable coating system carries a 15 year guarantee
Efficient - provides a low maintenance solution. Lightweight, safe and simple to
Savings - assemble with standard DIY tools. With time saved on painting, scaffolding can be removed sooner
Flexibility - cutting time and cost off the project. No more down time when waiting to paint due to bad weather conditions.

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.

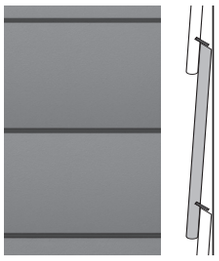
UrbanEco's durable coating system carries a 15 years guarantee against blistering, flaking or peeling.

Both the manufacturers warranty and the coating system warranty can be downloaded from the website: www.weathertex.com.au

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.

Primelok board range available as part of UrbanECO

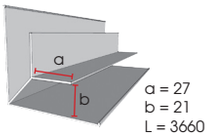


PRIMELOK 200
WEATHERBOARD

Specifications

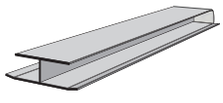
Length	3660 mm
Width	197 mm
Thickness	9.5 mm
Lap	25 mm

Accessories

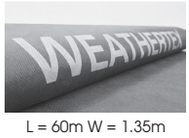


a = 27
b = 21
L = 3660

LARGE LF INTERNAL CORNER

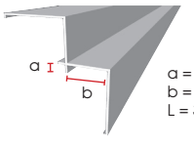


PVC PLANK JOINERS



L = 60m W = 1.35m

WRAP SHIELD



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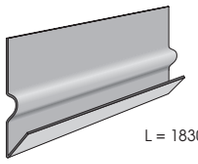
b = 21
L = 3660

TRADITIONAL LARGE
INTERNAL CORNER

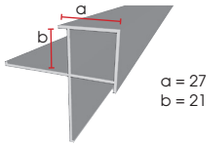


L = 1830

PRIMELOK STARTER STRIP

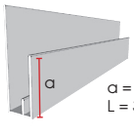
a = 9.5
b = 45
L = 1220

CAVITY BATON
45 X 9.5 mm



a = 27
b = 21

TRADITIONAL LARGE
EXTERNAL CORNER



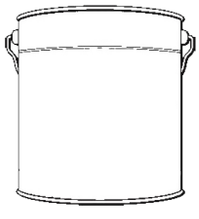
a = 21
L = 3660

LARGE ALUMINUM
END STOP

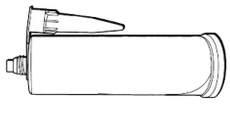
a = 10 or 20
L = 1830

SMALL OR LARGE
CAVITY CLOSER

Other Accessories



TOUCH UP PAINT



FLEXIBLE
POLYURETHANE FILLER

Scan here for UrbanECO online.

Cutting & Safety

The unique manufacturing process at Weathertex facilitates the production of 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.

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.

Cut planks using a slide compound mitre saw with a high quality 80 teeth blade. Consistent cutting pressure and masking guards and jigs will prevent scratching and chipping of the surface.

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.

Sealing Cut Edges

Sawn edges must be lightly sanded to remove loose fibres and sealed with high quality exterior acrylic primer before using joining accessories. For exposed edges, also apply 2 coats of touch-up paint and wipe excess from the face surface. Allow appropriate drying time between coats. When fitting joiners to cut ends, trim back the primelok spline with a sharp blade or snips.

Touch up Kit

The touch-up kit supplied should be used at the end of construction to fix any small marks in paint. Touch-up paint is also used for sealing cut edges: refer to 'Sealing Cut Edges' section.

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.

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.

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.

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. 05m^2K/W per 9.5mm thickness.

Bushfire Compliance

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

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 63m^2/kg and is a Group 3 material.The following table contains Weathertex early fire indices as determined by AS 1530.3.

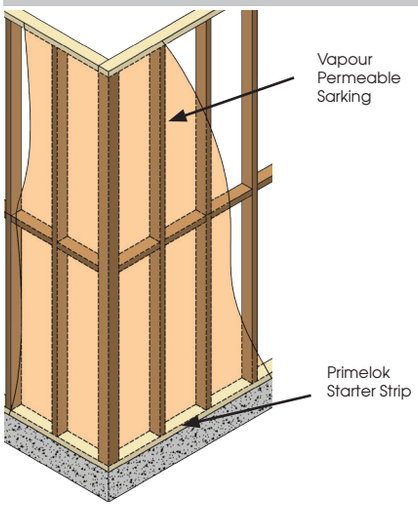
Early Fire Hazard Indicies	
Ignitability Index	14
Spread of Flame Index	7
Heat Evolved Index	6
Smoke Developed Index	4

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. Framing must be at maximum 600mm stud spacing.

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

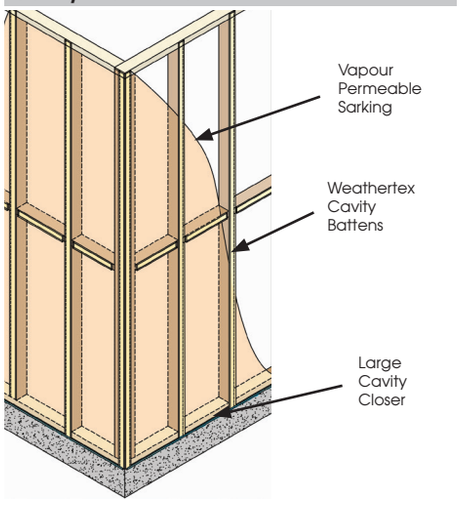
Step 4 Fit Weathertex aluminum corner accessories

Step 5 Set a horizontal datum around the perimeter of the install and fit the Primelok Stater Strip, butt joining successive lengths (may overhang the baseplate up to 20mm)

Scan here to get the facts on Weathertex

and here for technical downloads.

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 large cavity closer accessory

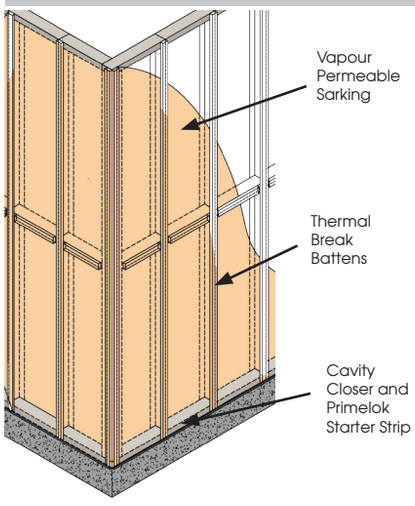
Step 4 Install vapour permeable sarking

Step 5 Attach Weathertex 45x 9.5mm cavity battens vertically to each stud, inserting the bottom into the large cavity closer

Step 6 Fit Weathertex aluminum corner accessories

Step 7 Set a horizontal datum around the perimeter of the install. Note: the outward edge of the large cavity closer will be used in place of the Primelok Starterstrip.

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 Primelok Starter 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.

Tabulated results are for internally lined walls and are calculated using a local load factor = 2.

Minimum requirements for fasteners must be met for performance and wind zone classifications to be applicable.

SOFTWOOD TIMBER FRAMES - Fastener selection			
Non- Cyclonic Zone	Cyclonic Zone	Fastener Details	Max Stud Spacing
N1, N2, N3, N4	C2	Weathertex Nail	450
N1, N2, N3	C1	Weathertex Nail	600
N1, N2, N3, N4	C2	8g x 40mm c/sunk timber screw	450

0.75mm BMT STEEL FRAME			
Non- Cyclonic Zone	Cyclonic Zone	Fastener Details	Max Stud Spacing
N1, N2	N/A	8g x 40mm c/sunk Self-drilling Screw	450
N1, N2	N/A	2.5x 32mm SHMG Coil Nail (D41060)	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. Recommended fasteners may not be applicable for steel greater than 1.2mm BMT.

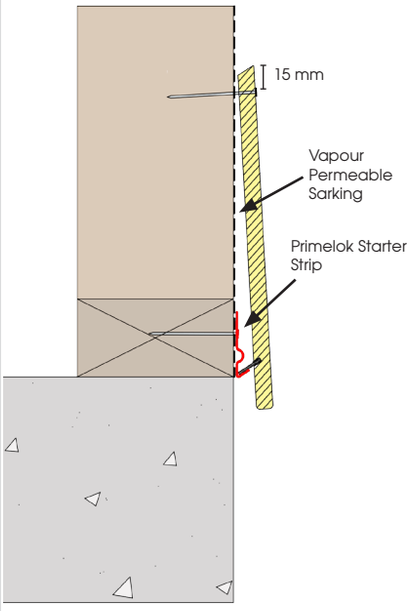
4. All fasteners must be galvanised or suitably coated to resist corrosion for external application. When installed in high corrosion zones such as coastal locations, fasteners must be made of materials appropriate to the durability required of the project. Contact fastener manufacturers for more information.

Weatherboard Installation

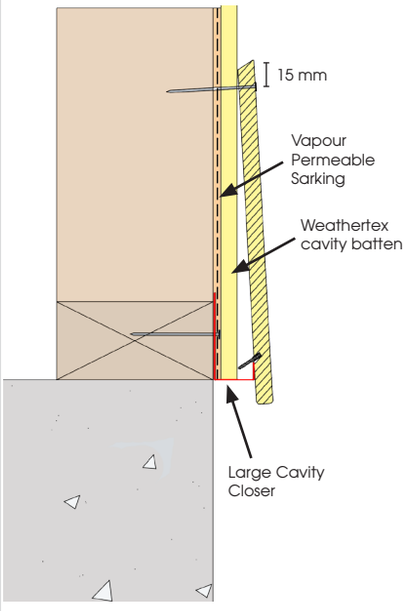
Step 1

Install the first Primelok plank by fully engaging the plastic spline into the Primelok Starter Strip. Check level and fasten off 15mm down from the top edge at each stud.

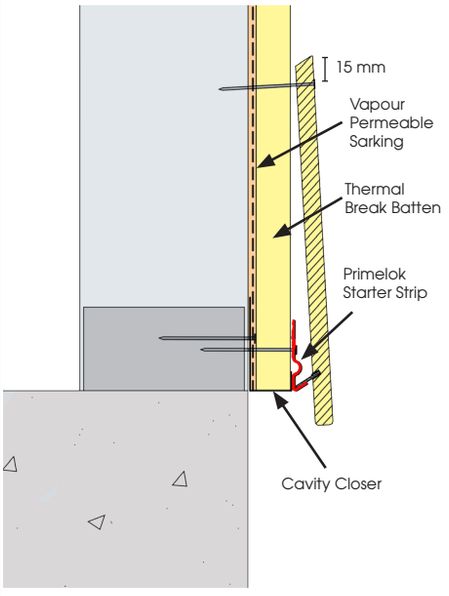
Direct to frame



Cavity on timber frames

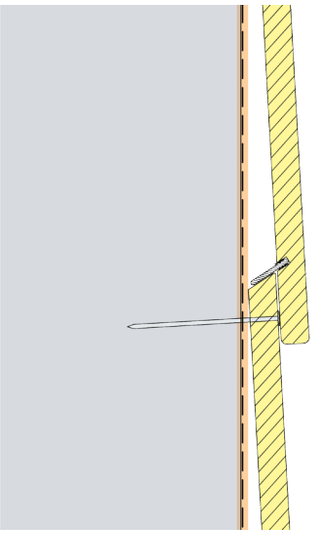


Steel frame with thermal break



Step 2

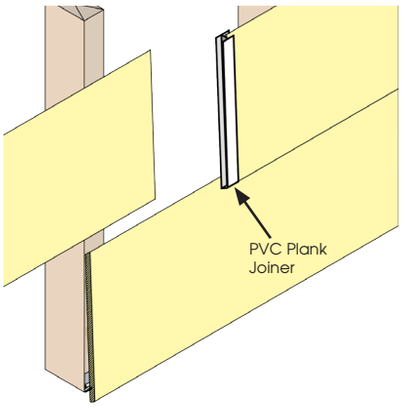
Fasten each weatherboard along the top edge at every stud. Keep fasteners 15mm down drom the top edge so they will be hidden by the overlapping board above.



Install successive rows by engaging the Primelok Spline with the angled edge of the board below and applying downward pressure while fixing off. Check rows for level as work progresses up the wall.

Step 3

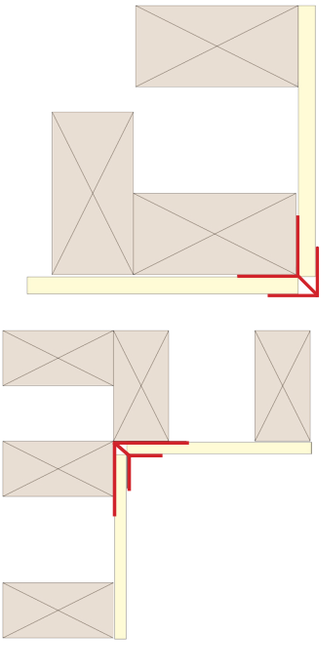
Fit PVC off-stud joiners as work proceeds. Joiners may be trimmed to fit around penetrations. To fit joiners to cut ends, trim back the spline using a sharp knife or snips.



End Stops

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

Internal and External Corners



Weathertex Large Traditional Internal and External aluminum corner accessories provide a modern and clean finish to wall junctions.

weathertex
timber made perfect, naturally

For additional construction details visit Weathertex.com.au or call our customer service line on 1800 040 080 (Mon- Fri 8am - 5pm Eastern Standard Time.)

weathertex.com.au
1800 040 080
/company/weathertex
/weathertexptyltd
/weathertexcladding
/weathertex1

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