

TRENDplank™

VACOА TIMBER CLADDING

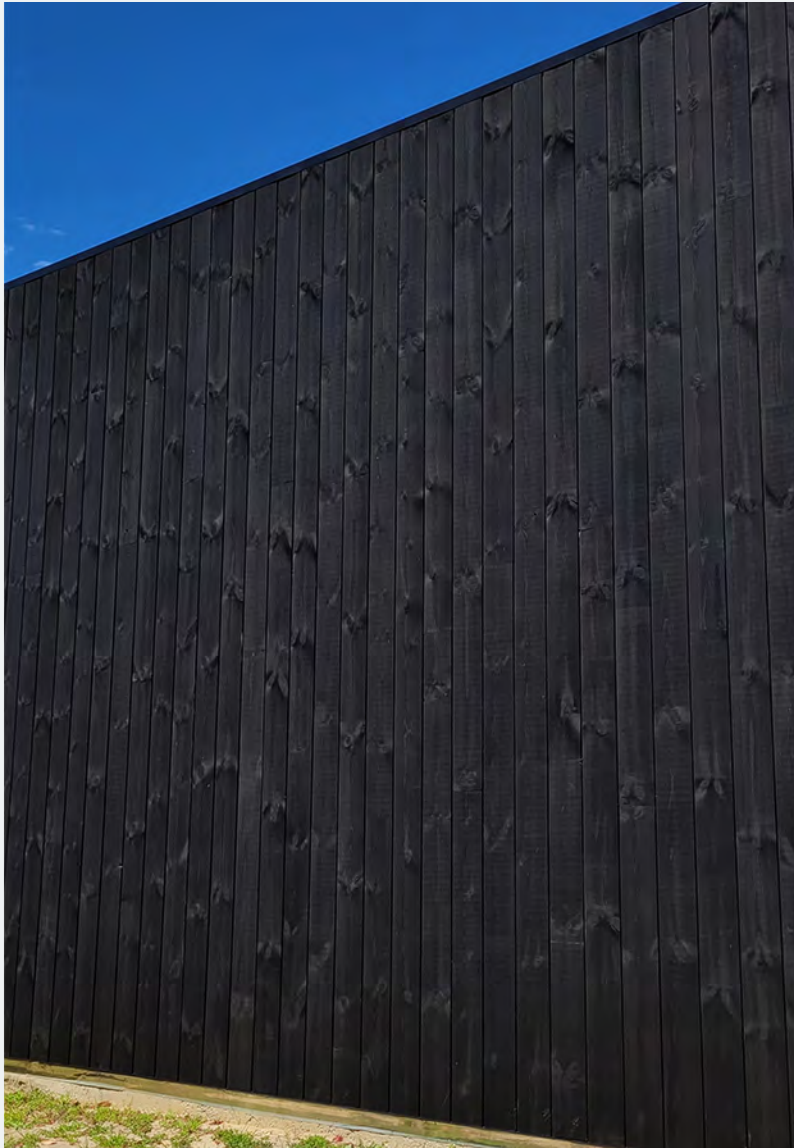


ARCHITECTURAL TIMBER DECKING, CLADDING & CEILING SYSTEMS



MORTLOCK
TIMBER

1800 894 400
info@mortlock.com.au
www.mortlock.com.au



WHAT IS VACOAO?

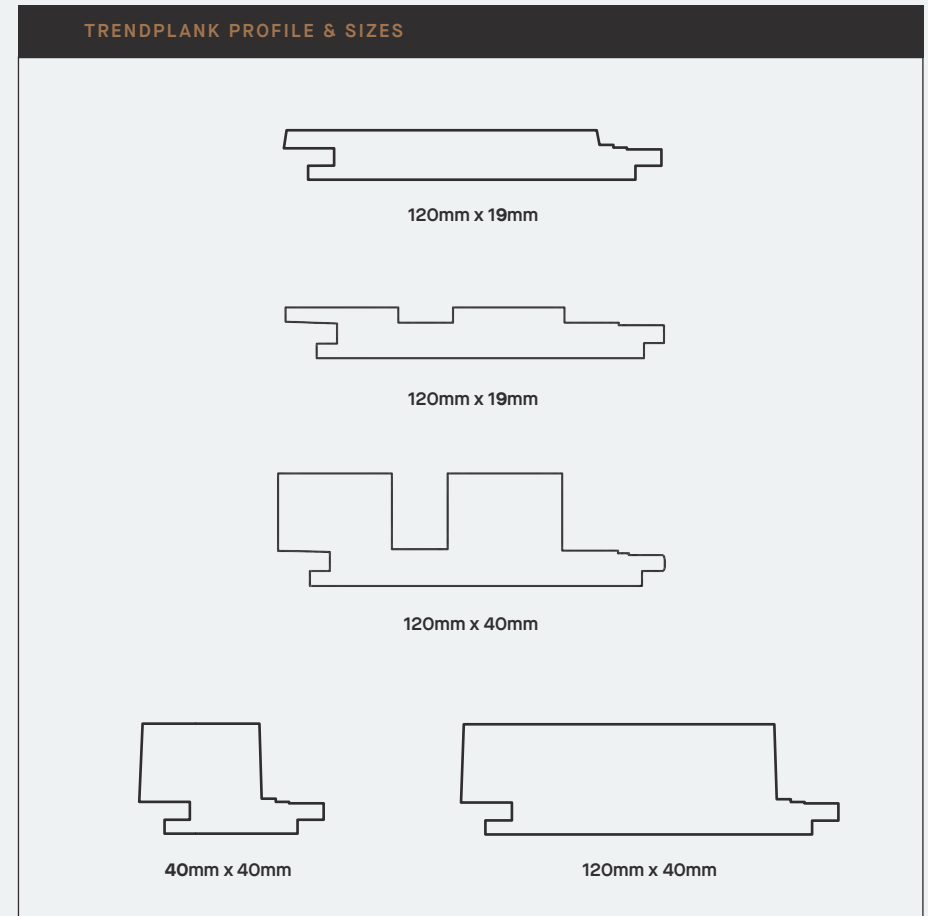
Vacoa is a sustainable Nordic pine material produced in Europe, modified by a thermal heat and steam process. The thermal process is non-toxic, greatly increasing the stability of the timber for use in all applications both internally and externally. This high performing timber couples well with the quality finish of a Danish oil, which offers a range of stain options for the perfect natural and sustainable façade and lining product.



VACOA BENEFITS

DIMENSIONALLY STABLE	Maintains its shape even when exposed to the harsh Australian environment.
DURABLE	Can be used indoors and outdoors in any climate condition.
ROT & TERMITE RESISTANT	Durability Class 2 timber lasting up to 40 years exposed above ground.
RESIN FREE	All resins have been removed in the thermal process which means no tannin leaching.
NON-TOXIC	No chemicals have been used for complete safety for the environment.
PREFINISHED	Delivered with a coat of environmentally friendly water-dilutable oil ready for installation.
SUSTAINABLE	Timber is sourced from certified and sustainable Nordic forests.
THERMAL INSULATOR	Less heat transmission compared to untreated wood.
WORKABILITY	Vacoa is easy to cut and work with.

TRENDPLANK PROFILE & SIZES





FINISHES

NATURAL OIL



STONE GREY



HAZELNUT



WALNUT



BLACK





FIRE RATING

Vacoa meets Group 3 for internal applications and is non-BAL compliant.

CURVED WALLS

Convex curved walls can be created with Trendplank Vacoa Timber cladding system to a certain radius. Care must be taken when curving timber cladding as this opens the tongue and groove reducing the water tightness of the cladding. Running a sealant (Sikaflex 11FC or similar) in the groove when installing is recommended.

BOARD SIZE	MINIMUM RADIUS
120x19	1400mm
70x19	700mm

Tighter radius can be achieved with custom profiles, contact Mortlock Timber to discuss your requirements.

EXAMPLE SPECIFICATION

EXAMPLE SPECIFICATION	
Project	Trendplank Timber Cladding System
Timber Species	Vacoa
Finish	Hazelnut Vacoa Wood Oil
Board Size	120x19, 120x19 & 70x19 repeating
Fire Requirements	None
Corner Trims	External Corners to have X Profile with 22x22 Vacoa Infill prefinished in Vacoa Hazelnut Wood Oil
Contact	Mortlock Timber Group 1800 894 400 info@mortlock.com.au www.mortlock.com.au



PRICING & TENDER SUBMISSION

To make large scale projects and tenders easier, we are able measure from PDF drawings which are returned with a detailed BOQ and an itemised proposal for cross referencing.

We require a full set of plans to the architect's specification. Where corner trims are not specified, we allow for the standard aluminium X Profile with the 22x22 timber infill in the same timber species as the cladding. Email plans or Tender invite to info@mortlock.com.au

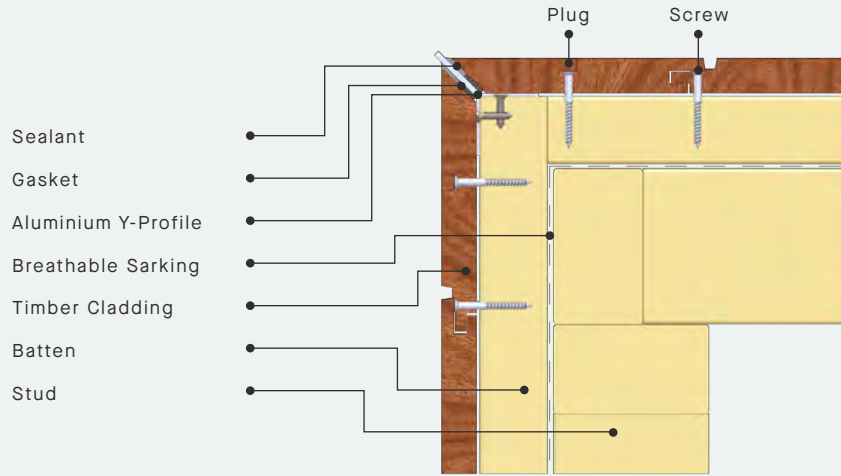




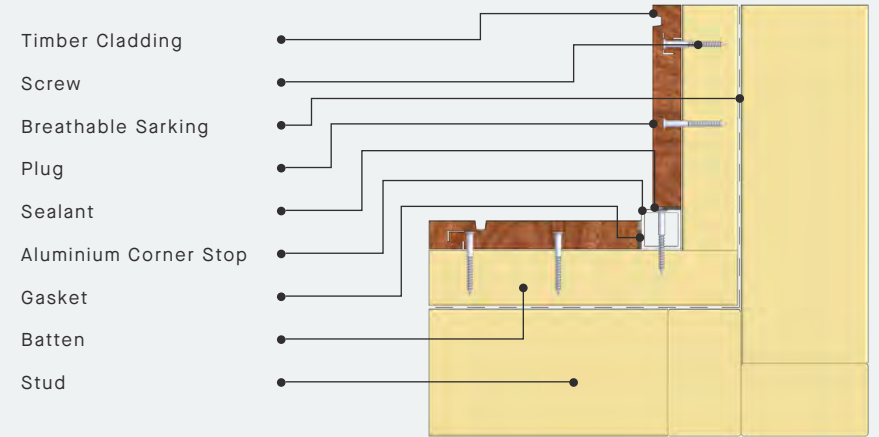
TRENDPLANK

CONSTRUCTION DETAILS

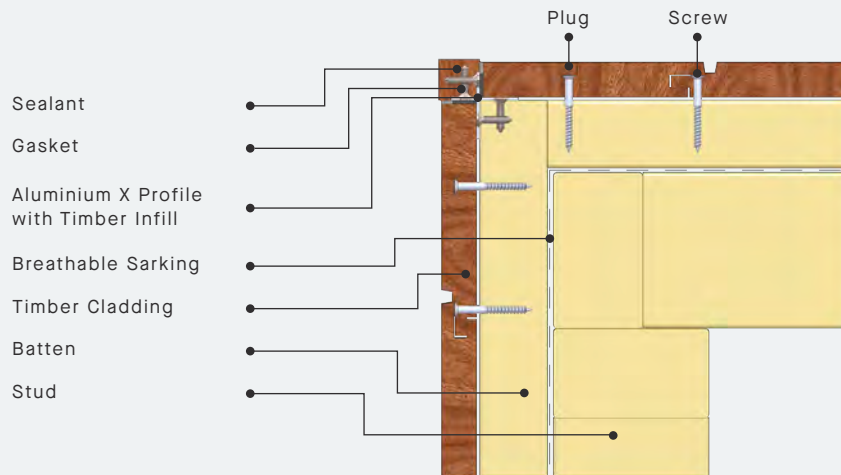
ALUMINIUM Y PROFILE



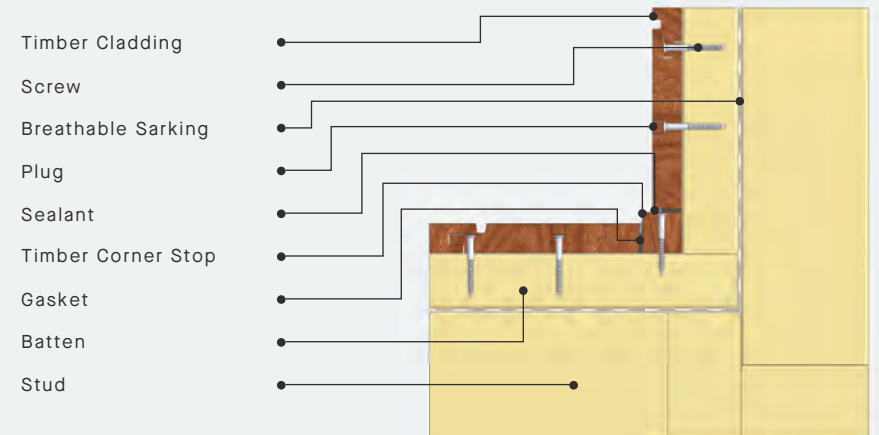
25X25 ALUMINIUM INTERNAL CORNER



X PROFILE WITH 22X22 TIMBER INFILL

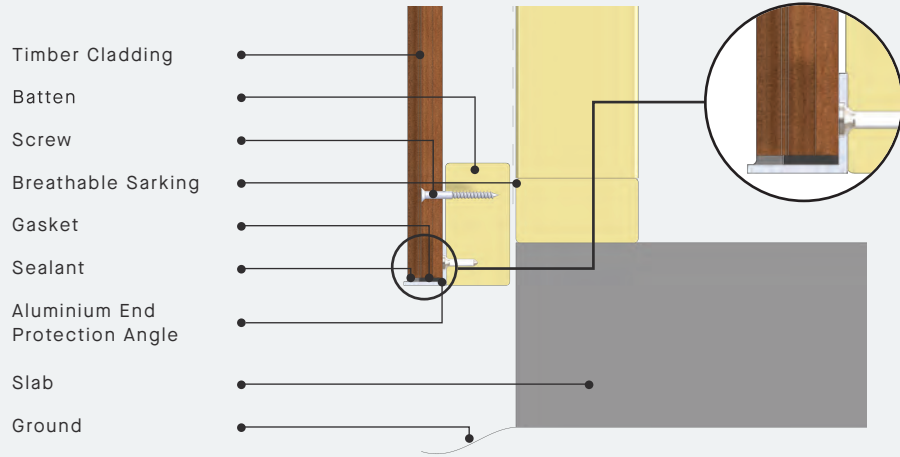


22X22 INTERNAL TIMBER CORNER

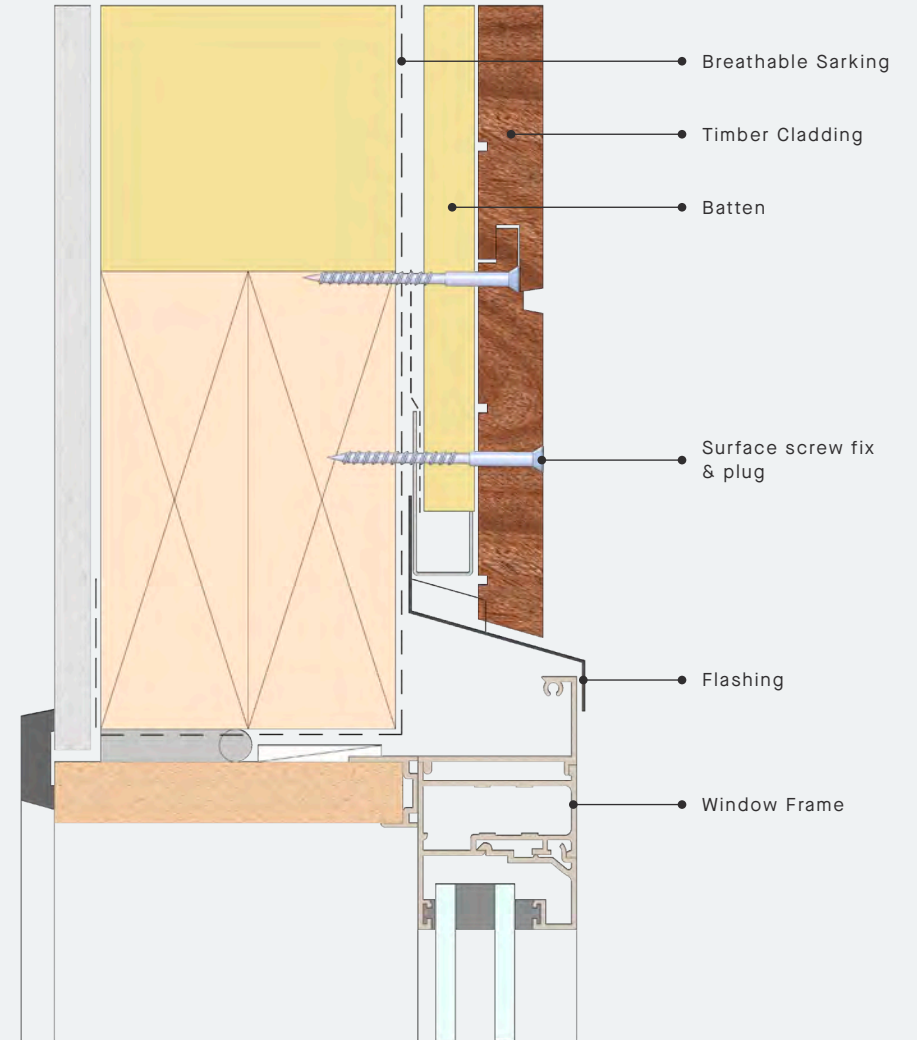




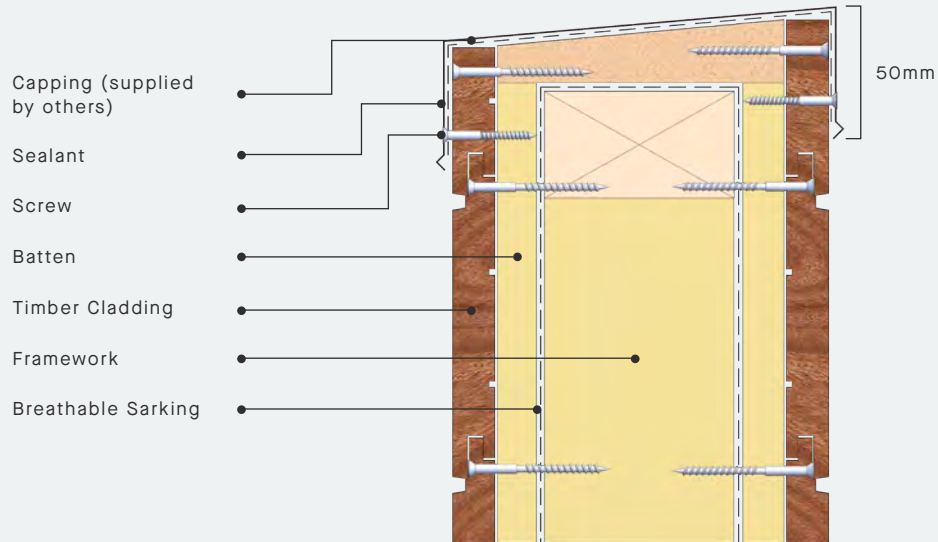
END STOP DETAIL



WINDOW HEAD DETAIL



PARAPET WALL TOP CAPPING

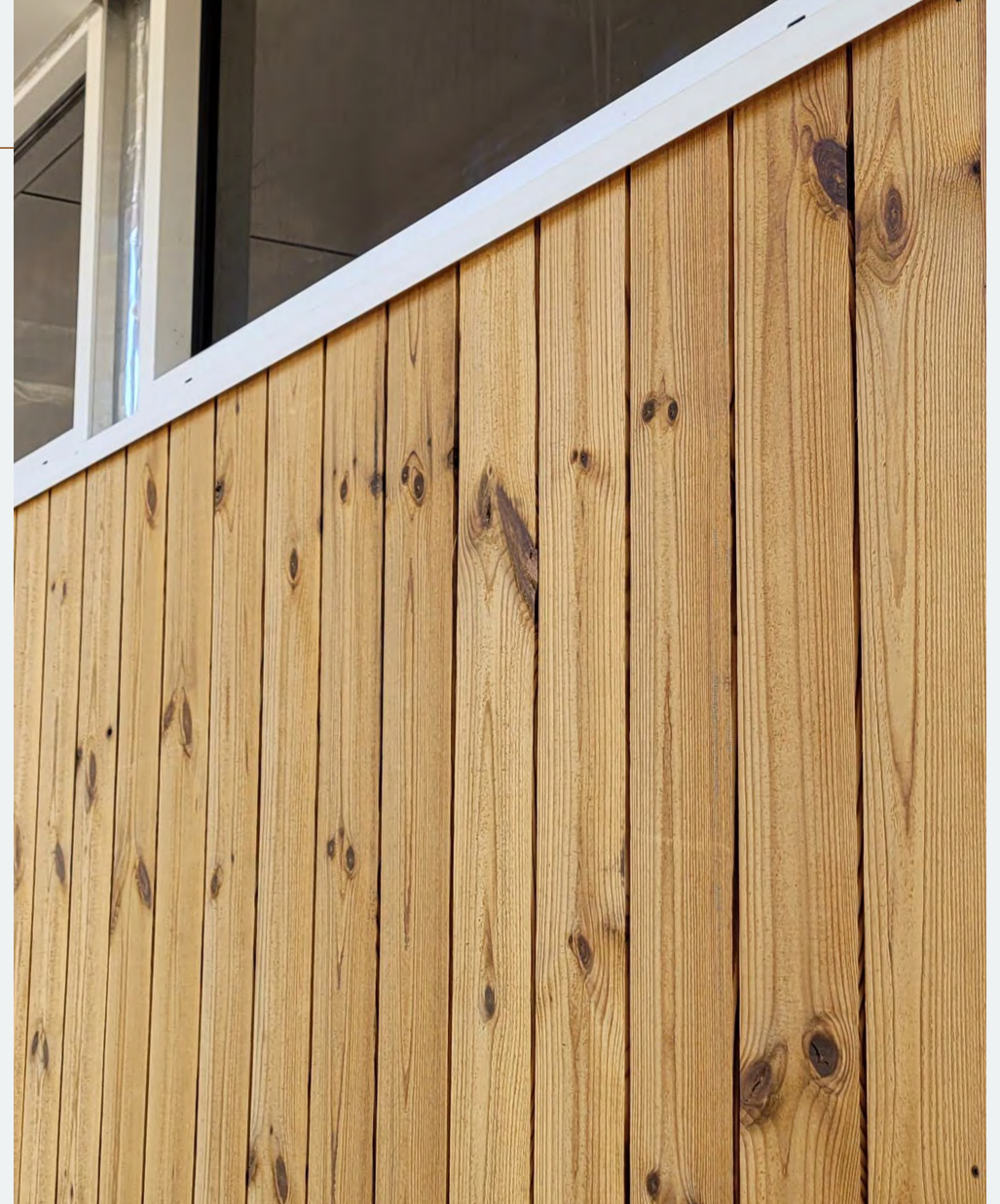
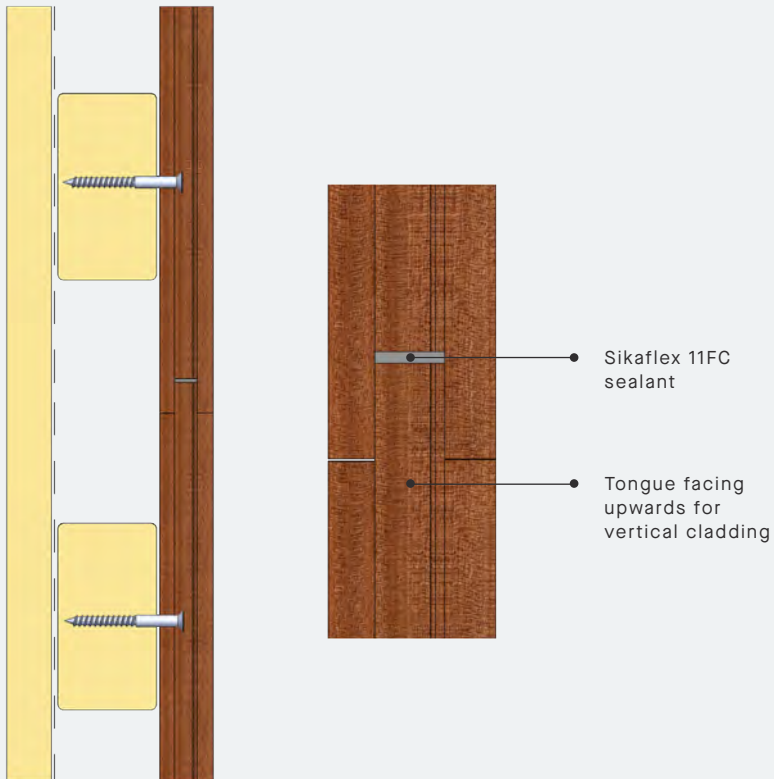




END MATCHING

End Matching is a tongue and groove profile applied to the ends of the boards so they can be joined off-stud. End matching assists with water proofing, eliminates the need to measure and trim the ends of the boards saving time installing, reducing the waste of timber from 10% to approx. 5%.

The installation method for end-matching is the same whether the cladding is vertical or horizontal. Sikaflex 11FC or similar needs to be applied to gap, boards are then pushed together with excess sealant to be cut off once dry. Where cladding is installed vertically the tongue should be installed facing upwards.





INSTALLATION

Important notes :

TEMPORARY FLASHING

Wall cavities are not designed to drain large amounts of water. If cladding is being installed before permanent flashing or weather protection, temporary flashing needs to be installed to prevent any water getting into the cavity behind the cladding. If water does enter the wall cavity this will cause the cladding to expand and cup.

UNEVEN WEATHERING

Uneven weathering will be caused where cladding is left stacked in the sun prior to installing or scaffolding is up for long periods of time leaving a shadow effect on the wall. The only way to resolve this is to leave the cladding exposed for a few months and the uneven weathering will eventually fade. Cladding installed in shady areas will not weather as much as timber in fully exposed areas.

MINIMUM GROUND HEIGHT

We recommend timber cladding be a minimum of 75mm above the ground to avoid moisture and dirt impacting on the finish. End grain must be sealed with an aluminium profile or similar, Trendplank weather seal and caulking as per detail.

BREATHABLE AIR CAVITIES

To ensure long-term durability, air cavities must be allowed so that timber is able to breathe and be kept dry. Where timber is installed vertically and battens behind cladding are horizontal, weep holes are required.

EXPANSION ALLOWANCE

Timber is a porous material and some movement should be expected, so it's important to consider the movement effects early on. Trendplank is not designed to be pushed up tight together, we recommend spreading the boards 1-2mm apart rather than completely tight together depending on the climate of the area.



Cladding pushed up tight



Cladding with 2mm expansion allowance

WATERPROOFING

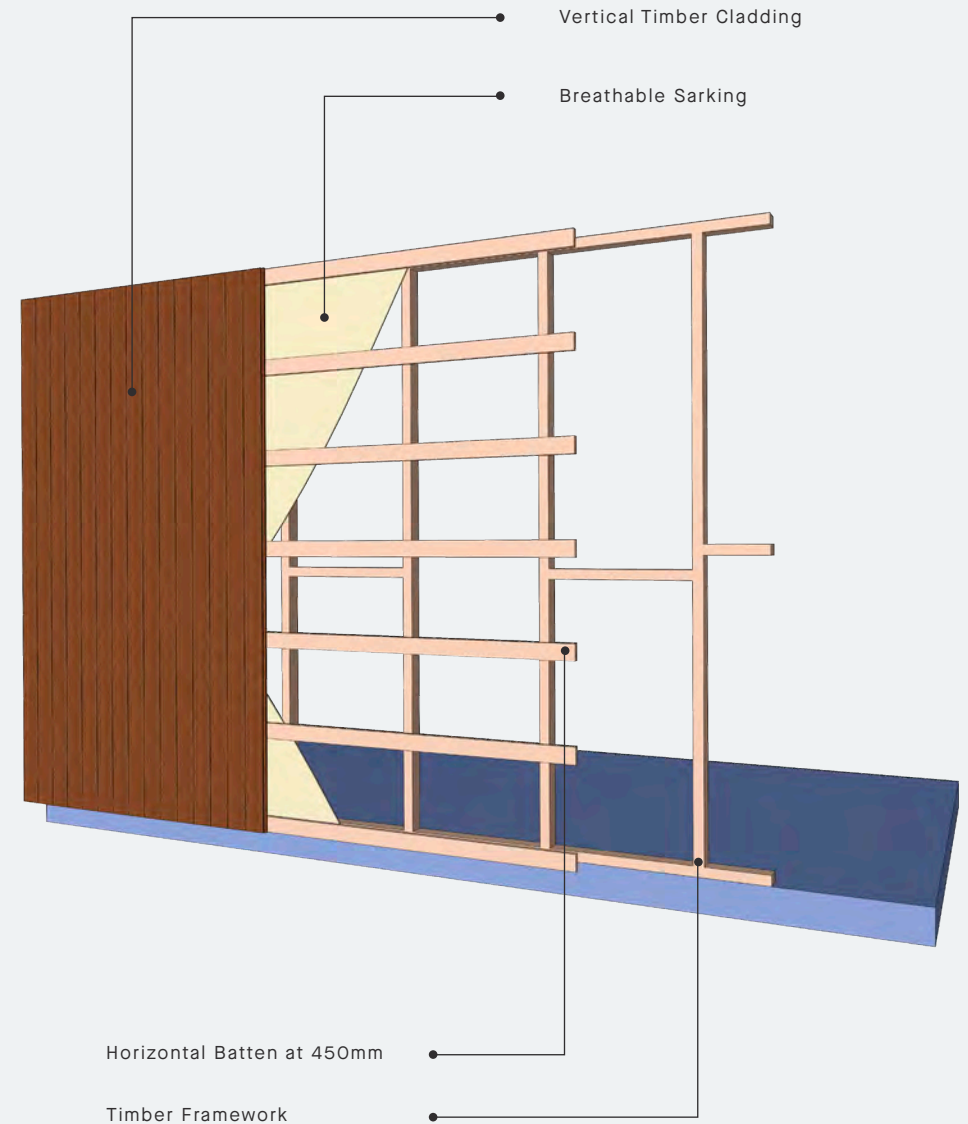
Timber cladding is not completely waterproof. It is the builder's responsibility to make sure the building is waterproof and cladding is installed according to the Building Code of Australia and the architectural design specification.



INSTALLATION

Vertical Wall Cladding - Timber Frame Construction.

-
- STEP 1** Install the breathable sarking over the studs with all overlaps facing downward and all joints fully taped.
-
- STEP 2** Ensure all corner trims, end stops and any flashing required under the cladding is installed.
-
- STEP 3** Fix horizontal battens (e.g. 70×35 pine or top hat section) at nominally 450mm centres.
-
- STEP 4** Make sure that there is proper drainage provision for any moisture running down the sarking in what will be the breathable cavity. This may include, but is not limited to, notching out the bottom plate or batten, having the noggins set back from the front face of the studs and running the sarking underneath the window header flashings so that moisture can escape.
-
- STEP 5** Install the bottom angle, corner stops and various flashings where necessary. See construction details.
-
- STEP 6** Mark the board increments on the front face of the studs/ mounting battens. This is necessary to make sure that the expansion gap on the cladding is allowed for, to prevent cumulative error and the lines going out of alignment and to make sure that you start and finish the run with a suitable board width.
-
- STEP 7** Install cladding by pre-drilling and fixing through the tongue, the screw may need to be inserted on a slight angle. The next board groove should cover the screw in the previous board.





INSTALLATION

Vertical Cladding - Masonry Wall Construction

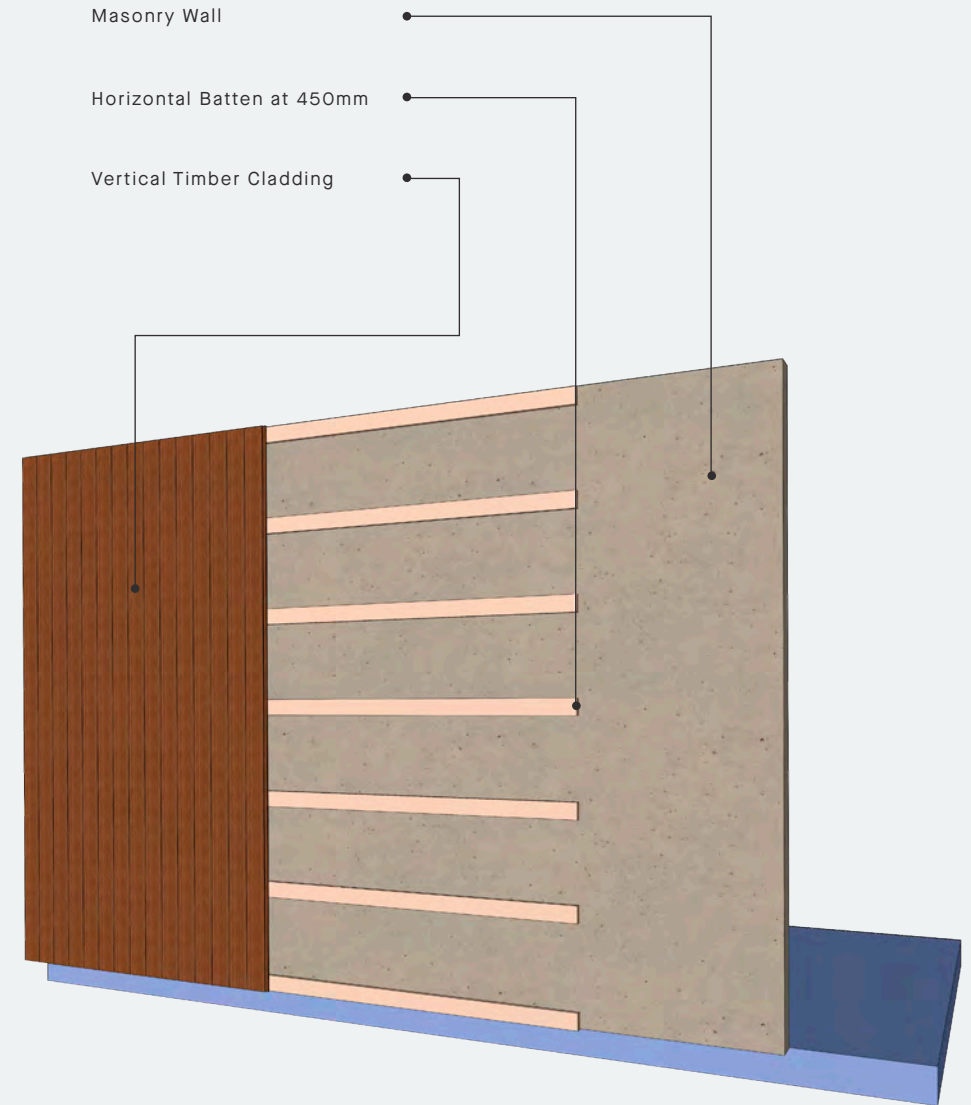
STEP 1 Fix horizontal battens (e.g. 70x35 H3 treated pine or top hat section) at nominally 450mm centres to masonry wall.

STEP 2 Make sure that there is proper drainage provision for any moisture running down the wall in what will be the breathable cavity. This may include, but is not limited to, notching out the bottom plate or battens, having the noggins set back from the front face of the stud's escape.

STEP 3 Install the bottom angle, corner stops and various flashings where necessary. See construction details.

STEP 4 Mark the board increments on the front face of the studs/ mounting battens. This is necessary to make sure that the expansion gap on the cladding is allowed for, to prevent cumulative error and the lines going out of alignment and to make sure that you start and finish the run with a suitable board width.

STEP 5 Install cladding by pre-drilling and fixing through the tongue, the screw may need to be inserted on a slight angle. The next board groove should cover the screw in the previous board.





INSTALLATION

Horizontal Cladding - Timber Wall Construction

STEP 1 Install the breathable sarking over the studs with all overlaps facing downward and all joints fully taped.

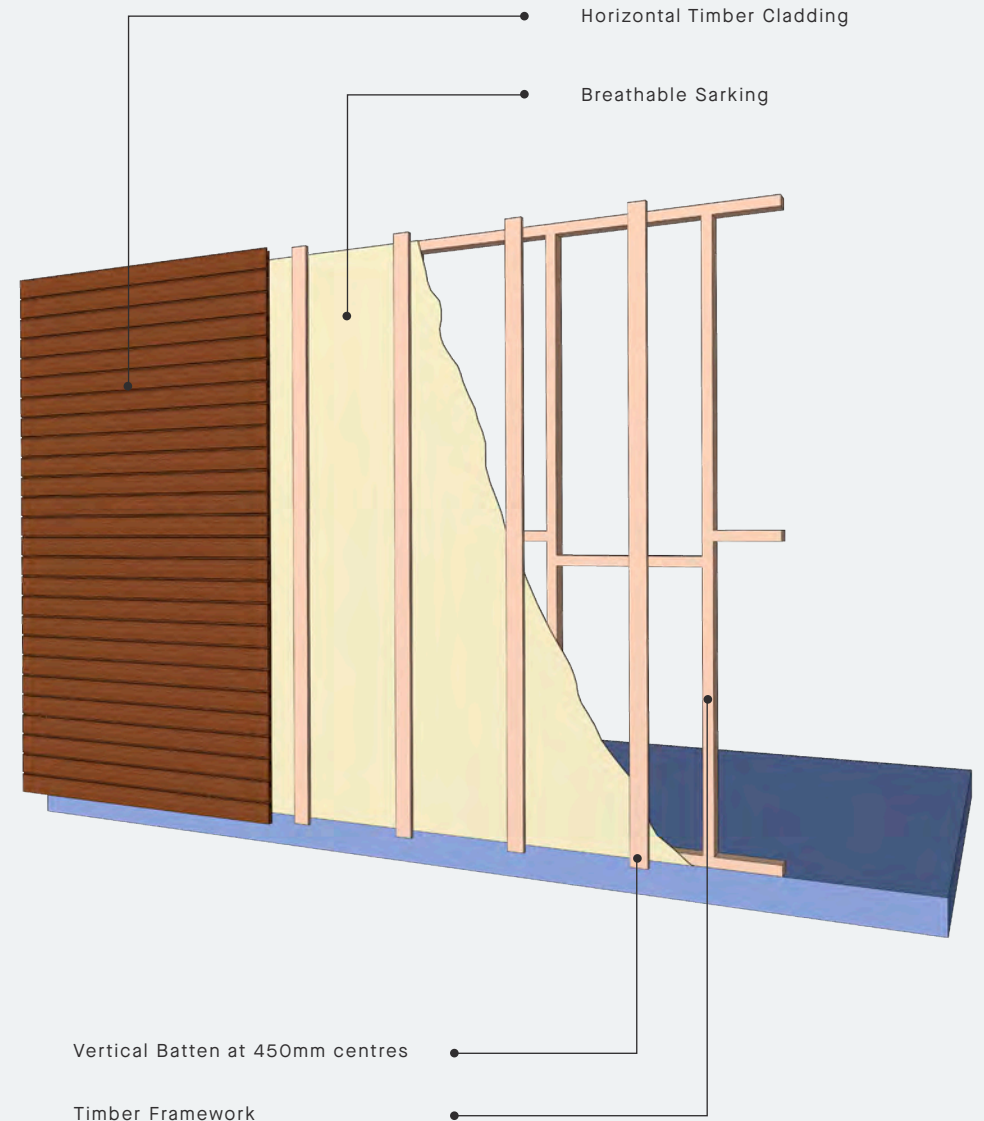
STEP 2 Fix vertical battens (e.g. 70×35 pine or top hat section) at nominally 450mm centres.

STEP 3 Make sure that there is proper drainage provision for any moisture running down the sarking in what will be the breathable cavity. This may include, but is not limited to, notching out the bottom plate or batten, having the noggins set back from the front face of the studs and running the sarking underneath the window header flashings so that moisture can escape.

STEP 4 Install the bottom angle, corner stops and various flashings where necessary. See construction details.

STEP 5 Mark the board increments on the front face of the studs/ mounting battens. This is necessary to make sure that the expansion gap on the cladding is allowed for, to prevent cumulative error and the lines going out of alignment and to make sure that you start and finish the run with a suitable board width.

STEP 6 Install cladding by pre-drilling and fixing through the tongue, the screw may need to be inserted on a slight angle. The next board groove should cover the screw in the previous board.





INSTALLATION

Horizontal Cladding - Masonry Wall Construction

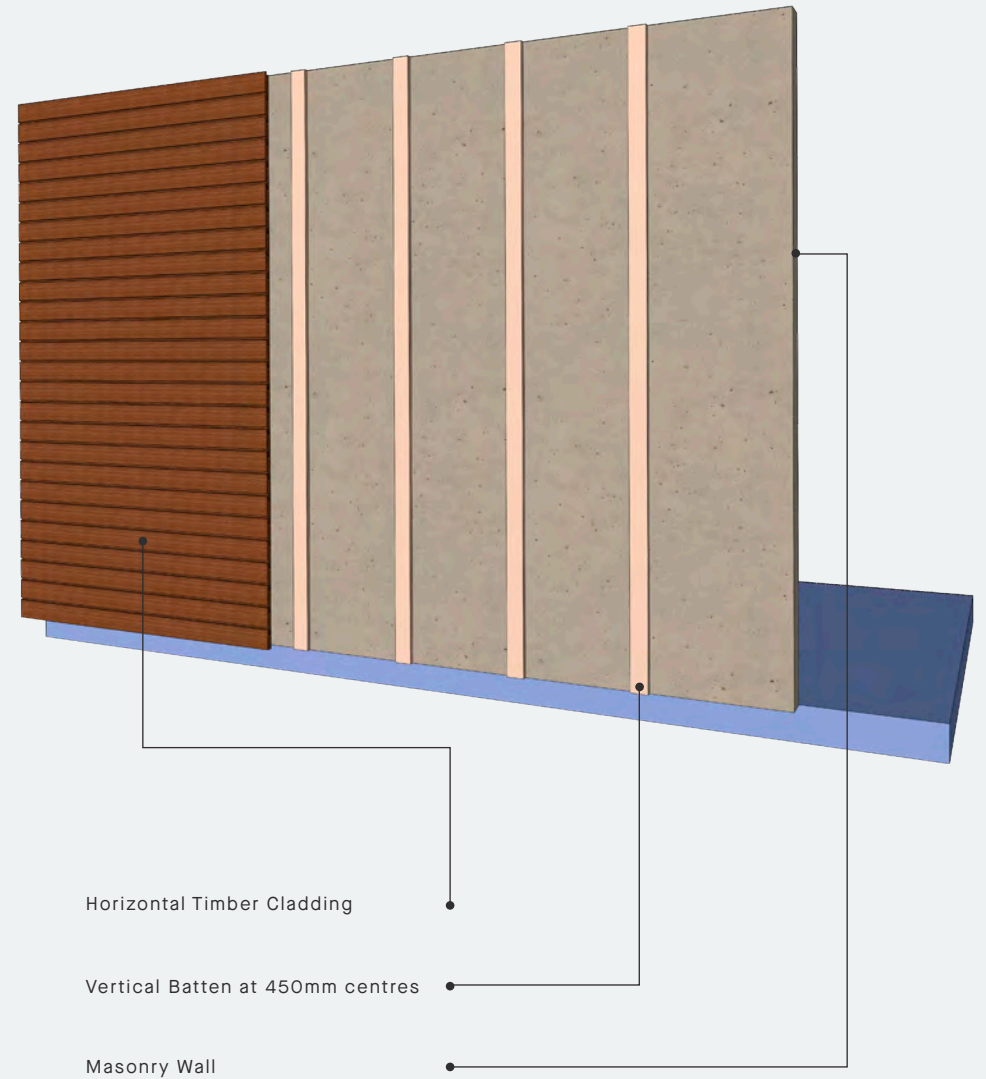
STEP 1 Fix vertical battens (e.g. 70×35 H3 treated pine or top hat section) at nominally 450mm centres to masonry wall.

STEP 2 Make sure that there is proper drainage provision for any moisture running down the wall in what will be the breathable cavity. This may include, but is not limited to, notching out the bottom plate or battens, having the noggins set back from the front face of the stud's escape.

STEP 3 Install the bottom angle, corner stops and various flashings where necessary. See construction details.

STEP 4 Mark the board increments on the front face of the studs/ mounting battens. This is necessary to make sure that the expansion gap on the cladding is allowed for, to prevent cumulative error and the lines going out of alignment and to make sure that you start and finish the run with a suitable board width.

STEP 5 Install cladding by pre-drilling and fixing through the tongue, the screw may need to be inserted on a slight angle. The next board groove should cover the screw in the previous board.





FURTHER NOTES

ONSITE STORAGE

It is recommended to install the timber as soon as possible after delivery so that it maintains its accuracy and straightness. If possible, the timber should be kept in its original pack until installation. If it is repacked, it should be done the same as the original pack to maintain straightness and quality. Ensure that it is at least 50mm above ground and stored on a flat surface to prevent bowing. It should be stored in a cool dry place out of the weather until ready to install.

WARRANTY

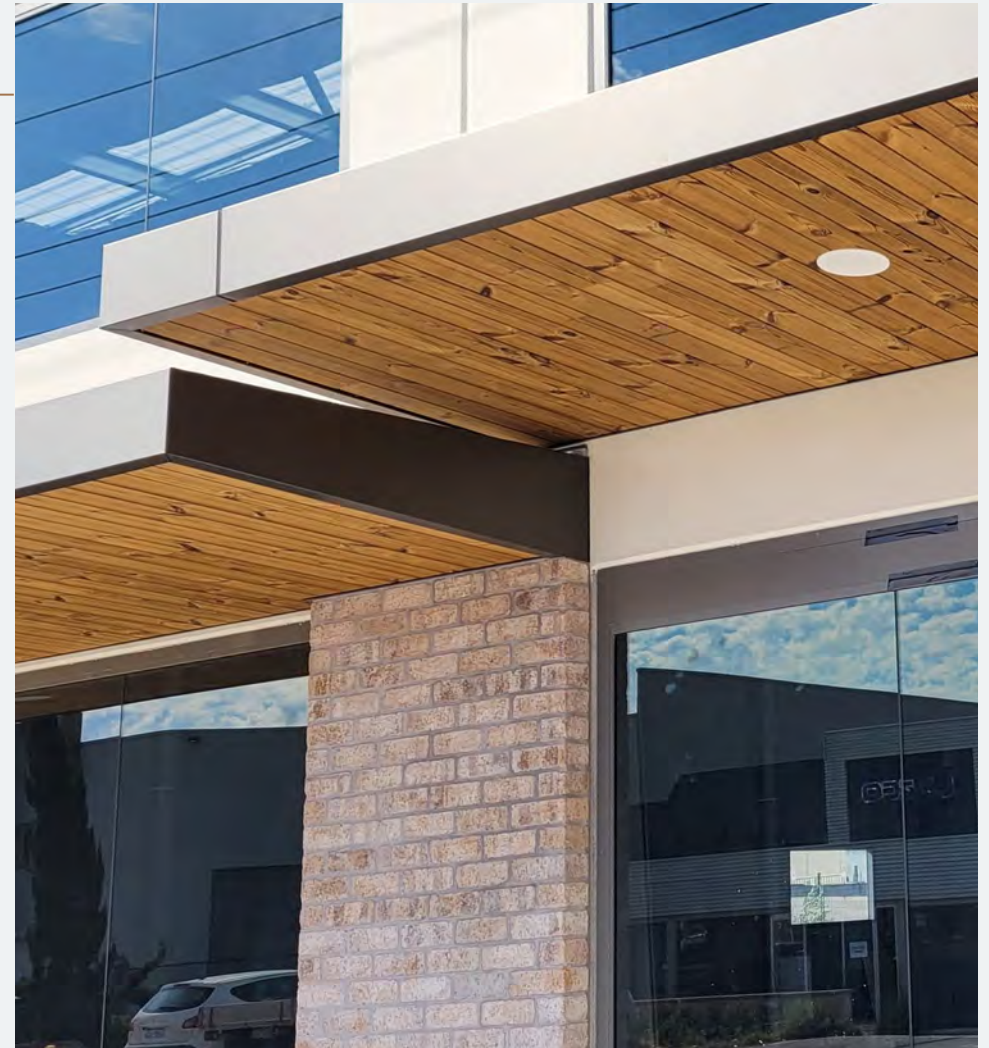
Mortlock Timber provides project specific warranties which must be requested prior to ordering material.

MAINTENANCE & CLEANING

Interior timber typically does not need recoating.

Where re-coating is required on external and internal applications, we recommend using WOCA oil in the selected colour. Application and maintenance instructions can be found at

www.wocadenmark.com/shop/product/exterior-wood-oil





DESIGN & INSTALLATION CONSULTING

Our team can work through detailing and specification requirements to meet specific project requirements. We can assist with budget management without compromising aesthetics and ensure our products perform with an extended life cycle.

SAMPLES

Mortlock Timber Group samples department is stocked with our full range. We use express delivery service and generally deliver samples to your door within 2-3 days. Custom samples and sample boards can take 3-6 weeks depending on requirements.



W: www.mortlock.com.au

T: 1800 894 400

E: info@mortlock.com.au

Distribution: WA | SA | VIC | NSW | QLD | TAS