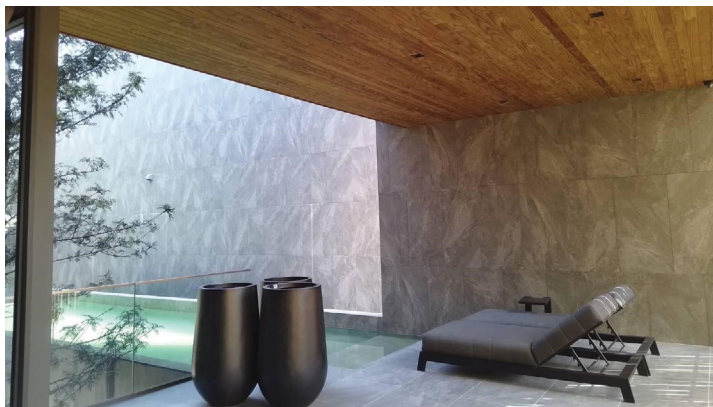


## Vulcan Flat Sawn Panelling



### Overview

Vulcan Panelling is created from thermally modified New Zealand plantation timber. The thermal modification process means Vulcan Panelling has enhanced stability, reduced resin content, is a beautiful homogeneous brown colour, and is naturally durable.

For use as interior wall and ceiling linings, and covered soffits.

Wood species: Thermally Modified Radiata Pine (Pinus Radiata).

Standard profiles:



TG5 90x10 (85mm cover)

Lengths: Lengths – 2.4 – 4.8m\*

\* Product is supplied as standard in 'mixed length' or otherwise lengths at Abodo's option. Specified fixed lengths may be available but are subject to conditions including minimum quantity, price premium and availability. Please check with Abodo prior to placement of order.

### Product specifications

Name:	Abodo Vulcan Flat Sawn Panelling.
Intended use:	Above ground applications for residential and light commercial buildings – interior wall and ceiling linings and covered soffits with limited weather exposure. Not suitable for exterior cladding.
Quality:	<b>Premium Grade/</b> Graded to the reeded face with mainly clear sections, but with some defects including knots and resin pockets allowed up to 1/3rd of the board width. Reverse face with defects permitted according to Standard Grade.  As timber is a natural product up to 5% must be allowed for out of grade accounting for human error. Defecting on site may be required to meet visual standards – for this reason it is recommended to allow for minimum 15% wastage when ordering.
Substrate colour:	Chocolate brown. (colour will lighten with exposure to sunlight).
Finish:	Smooth Dressed. Optionally with Brushed finish.
Durability:	Thermally modified – Thermally modified TM230 degrees Celsius schedule. Durability Class 2 above ground (AS5604). Durability Class 1 (EN350-1).
Insect attack:	Thermally modified pine is resistant to most wood boring insects but is not always resistant to termites. Available optionally TPX treated for termite-prone areas with 15 year conditional warranty.
Serviceable life:	30 years or more when maintained according to manufacturer's recommendations.
Warranty:	15 years against fungal decay (subject to terms and conditions).
Moisture content:	Approx. 7% MC (+/-2%) at time of dispatch.
Construction:	Solid timber.

## Vulcan Flat Sawn Panelling

### Product specifications

Expected dimensional change in structure:	Width expansion approx 3-4%, length expansion approx 0.25%, thickness expansion approx 2% (from 7%MC to fibre saturation -variation will occur between boards).
Average Density:	~420kg/m <sup>3</sup> .
Fire (interior):	Group 3.
Hardness:	Low (2.5kN Janka).
Weight:	~3.8kg/m <sup>2</sup> .
Thermal properties:	~0.0095 W/(mK).
pH (indicative):	3.9.
Compatibility:	Vulcan has little or no corrosiveness on most metals and can be placed in contact with most building materials. Care should be taken to separate timber from zinc. Normal PVA, PU, MUF glues and RF resins can be used.
Coating:	Vulcan will take most stains, penetrating oils, paints, polyurethanes and varnishes well, though uptake of coating is generally higher than normal. Faces must be thoroughly sanded with 120 grit sand paper prior to application of coating. For interior applications such as ceilings and walls coating is optional- film forming or high solids coatings e.g. hard wax oil, acrylic or polyurethane are recommended. For exterior applications with limited weather exposure only e.g. soffits, the front face and edges must be finished with an exterior coating system. Please contact Abodo for further advice on specific application.
Certification:	FSC®-certified mixed, No.: SGS-COC-004944.
Living Building Challenge:	Red List Free.

### Product handling

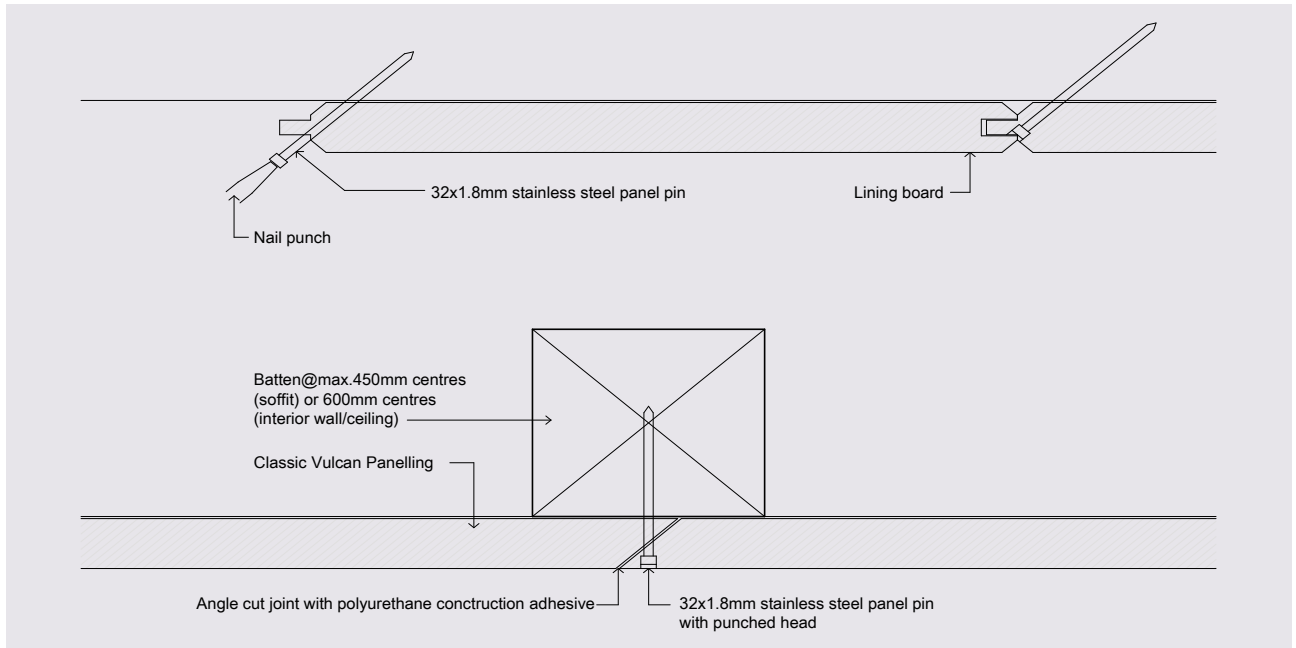
- Weatherboards and accessories must be kept clean dry, under cover and out of the weather prior to installation.
- Timber must be stored horizontally on bearers at least 100mm off the ground.
- Allow boards to acclimatise on site prior to installation.
- Inspect boards carefully prior to install. Do not install if moisture content is greater than 12% or if there is visible damage. Installation will be taken as acceptance of product quality.
- Extra care must be taken during transport, storage and installation so as not to damage the factory finish of the boards.
- Wear dust mask, eye protection when cutting timber.
- Non-preserved treated timber off cuts may be repurposed, disposed of in landfill or burnt.
- Preservative treated timber must be disposed of in approved landfill only.

### Fixing overview

- Timber or steel framing must be in accordance with local building code requirements.
- Allow boards to acclimatise on site prior to installation.
- Boards should not be installed if higher than 12% MC.
- Fix boards onto battens spaced at maximum 450mm centres for soffits, or maximum 600mm centres for interior walls/ceilings.
- Apply a bead of polyurethane construction adhesive to each batten.
- Secret nail boards at a 45 degree angle into the tongue with one 32mm x 1.8mm stainless steel panel pin (hand driven or mechanically driven) per batten.
- Fixings at ends of boards must be pre-drilled minimum 12mm from end before applying the fastener.
- Mitre joint butt ends at 35 degrees, off-set over battens only, with one fixing placed at 12mm from either side of the join.
- Faces must be thoroughly sanded with 120 grit sandpaper prior to application of coating.

## Vulcan Flat Sawn Panelling

### Fixing Details



### Maintenance

- Wash down as needed with gentle detergent, warm water and soft cloth.
- Re-coat as required to maintain the integrity of the surface coating.

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