

V Groove Plywood Installation Instructions

Product description

V Groove plywood is a cost effective plywood panel with V grooves running the length of the panel at 100mm centres, it comes both treated and non-treated.

The product has developed for use as interior wall or ceiling panels with a tongue and groove edge for ease of application in interior dry applications. Intended uses include;

Interior walls, ceiling linings, feature walls, partitions, commercial interior and shop fitouts.

In addition the treated V Groove plywood can be used in wet areas such as bathrooms, kitchens & soffits as long as it has an appropriate finish, thorough sealing with preservative compounds, paints or resins is necessary.

The untreated V Groove product has a poplar & hardwood core with a radiata face, the face has grooves at 100mm centres which are 5mm wide and 3.5mm deep. It is a Low Formaldehyde Emission (LFE) panel that uses Melamine E1 Glue.

The treated V Groove is Radiata pine impregnated with MicroPro® MCA. Eurofins Testing Chile, Wood Quality Laboratory confirms that the samples analyzed meet the retention and penetration requirement of micronized Copper - Azol preservative. Koppers MicroPro® technology is the first and only treated wood process to be EPP (Environmentally Preferable Product) certified by Scientific Certification Systems based on a Life-Cycle Assessment.

Available sizes in the untreated product are 2400x1200x9mm, 2700x1200x9mm, 2400x1200x12mm & 2700x1200x12mm. In both non and pre primed options.

Available sizes of the treated product are 2440x1220x9mm & 2440x1220x12mm.

Health & Safety

Take all necessary steps to ensure your safety and the safety of others:

- ensure adequate ventilation or mechanical dust extraction when cutting or drilling
- ensure the sheets are well supported when cutting
- wear appropriate safety equipment, including clothing, footwear and safety glasses
- use all tools in accordance with the relevant instruction manuals
- clear the work area of any obstructions before work starts
- ensure edge protection and/or appropriate scaffold is installed where working at height.

Storage and Handling

V Groove Plywood must be stored and handled with care to maintain good condition before use and after installation:

- The storage area must be protected from sun, rain and wind that would otherwise bring about rapid changes in temperature and humidity.
- Support for the sheets must be provided at both ends and middle to avoid distortion. Ensure bearers in packs above are aligned over bearers below (to avoid inducing curves in sheets).
- The stack must be kept dry and clear of ground contact, and placed so that it will not be exposed to mechanical damage.
- The sheets must be stacked flat, NOT on edge.
- To avoid staining, fading and surface checking, the sheets must not be exposed to the weather while awaiting installation.
- Store in well-ventilated areas away from sources of heat, flames or sparks.

Installation

As a wall lining

- Sheets are fixed on one face only; sheet height 2400 mm or 2700mm.
- Sheets may be fixed vertically or horizontally.
- Fix using glue and nails or screws at 150 mm centres around the perimeter of each panel and 300 mm centres on the middle studs. Ensure nails and screws are fixed at the centre point of the studs. There is no need for nails or screws on nogs or dwangs.
- Always ensure that there are expansion gaps (min 10mm) left at either end of the wall.

As a ceiling lining

When fixing as a ceiling lining always use both glue and mechanical fixings.

Fix using annular grooved nails or screws at 150mm centres around the perimeter of each panel and at 300mm centres on other supports.

In wet areas

The V Groove plywood must:

- Be treated MCA H3.2
- be a minimum of 9 mm thick
- have edges sealed prior to installation
- have a minimum of three coats of water- or oil-based, semi-gloss or full-gloss paint (oiled finishes are not recommended in wet areas).

Maintenance

Under normal conditions, V Groove Plywood will need no maintenance as long as the protective finished layer has been maintained.

Maintaining the protective layer typically will include:

- Regularly washing and/or wiping clean protective surfaces to remove mould, scale and/or soap deposits.
- Checking the sealant joints around fixtures.
- Regular inspections should be carried out to check the sheets are not damaged by humidity or moisture.