LIGNAPAL BY FETHERS

Fethers Architectural Extended Warranty

Fethers Architectural pre-finished Composite Board

Fethers warrants that the Board will not delaminate and will be flat in compliance with Australian Standard AS/NZS 1859.3:2005 as well as complying with the product specification of the Board as supplied ("Specification").

This warranty is limited to the replacement of and costs associated with replacement of Board deemed by Fethers Architectural to be outside of Specification.

Quality control measures must be taken prior to fabrication to confirm moisture content and any bowing or cupping present in full Board panels supplied. If claimed to be outside Specifications prior to fabrication, Fethers must be immediately notified and the material set aside for assessment by Fethers.

If assessed to not meet Specifications, replacement Board will be supplied. This warranty will not extend to on-costs incurred by third parties to accommodate replacement, nor any lost time, direct, indirect or consequential losses howsoever arising.

The warranty does not cover substandard craftsmanship in design and construction of cabinetry.

The warranty does not guarantee an exact match in colouring or grain pattern to that of the removed panel, as the material is a natural product and subject to natural variation.

If replacement is required, Fethers reserves the right to choose the Contractor to perform works under this Warranty and to control the cost of replacement.

This warranty will not extend to on-costs incurred by third parties to accommodate replacement, nor any lost time, direct,, indirect or consequential losses howsoever arising.

Any claims in relation to this Warranty must be submitted in writing to Fethers in a timely manner. This Warranty is limited to this Project. Beyond this Warranty, Fethers' standard terms and conditions apply.

Fethers Architectural Board Pre-finished Product Specification

Pre-finished board using natural timber veneer pressed to phenolic resin infused laminated material, pre-finished with acrylic urethane coating. Pre-finished board is supplied good two sides or with a liner back on a minimum thickness of 16mm MDF. Suitable pre- finished multilay dyed through timber veneer edging is also available for each colour. The product is supplied in full sheets suitable for processing by licensed fabricators.
Pre-finished boards have been made for installation in kitchens, bathrooms and general cabinetry for residential and commercial projects. Fabricators of prefinished board products are warned that the product is suitable for internal use only.

Pre-finished boards are available in 3000x1200mm panels. Custom sizes are available upon request.

Substrate Properties AS/NZS1859.2
Board Density 735KG/m3
Internal Bond 900av KPa
Modulus of Rapture 43av MPa
Modulus of Elasticity 3600av MPa
Screw Holding Face 1000av N
Screw Holding Edge 1600av N
Swell 24h <4%
Testing to AS/NZS 4266.13-2000
Pre-finished board has good colourfastness and dimensional stability in normal internal applications.

Panel and Door Installation

Timber is not only hydroscopic but also anisotropic. Being a natural timber, manufactured composite product, the natural laws of timber apply and the material is subject to movement as a result of change in moisture. Humidity variations will influence the likelihood of bowing, cupping or twisting.

General Guide for Hinge Application over Dimension of Door
Door height Recommended Number of Hinges 0 - 800mm 2 hinges
801 - 1300mm 3 hinges
1301 - 1700mm 4 hinges
1701 - 2400mm 5 hinges

All guidelines from hinge suppliers must be strictly adhered to in reference to door dimension warranty. Hinges and hardware must be from reputable suppliers offering detailed usage guidelines. Door bowing or cupping can be minimised by adhering to best practices in revising designs to ensure avoidance of large door or panel sizes.

Using split doors, thicker substrates or the use of pressed composite; semi solid or solid core manufactured doors, from a reputable door manufacturer will enhance stability.

Extreme variance in humidity or heat will impact the stability of the panels. Care must be taken not to expose the panels to direct heat or humidity. Buildings must be well ventilated and insulated to reduce the likelihood of extreme conditions. Any installation over cook tops can void warranties if range hoods are not sufficient or not correctly employed or used.
Dimensional Stability at 20 degrees Celsius Longitudinal 0.4%
Transverse 1.2%
Thickness 5.0%
Changes from 35% Relative Humidity to 85% Relative Humidity Datum Point 65% Relative Humidity

Edging and Edging Detail

Board is a natural product and care must be taken with attention to edge detail. Edging, once applied, must be sealed along the junction with the face board using a lacquer pen, brush or cloth. Matching gloss level water based acrylic urethane must be used. Care must be taken to ensure aesthetic outcome of this detail, a test piece is recommended to ensure success of methodology. Multiple coats must be applied to ensure a proper seal. Care with this detail will reduce the likelihood of moisture ingress and any movement in doors or panels. Edging timber is designed to work with face panels however care must be taken to manage colour matching of edge to face materials. Being a natural product there is inherent colour variation in the face panel and in edging material.

Storage

The product must be stacked flat, be completely supported and protected from the elements. Material must be stored at, or close to, 20o Celsius (+/- 5 degrees), and relative humidity must be 60% (+/- 4%). Sheets must be stored face to face and back to back on a flat horizontal surface with skids at distances less than 600mm. Multiple packs of material must be stacked with aligning skids. Plastic wrapping may cause 'sweating' or condensation that could damage the material.

Avoid any direct sunlight in storage. Storage for extended periods of time can make removal of the protective film difficult, and any residue will need to be cleaned from the face of the panel once the film is removed.

Fabrication

Cutting of panels must be done using a point-to-point CNC, milling machine, beam or bench saw. All tooling must be well maintained and cutting blades must be regularly sharpened and in good condition. Once cut to size, material must be edged in a timely manner. Production records should be taken and recorded at regular intervals on moisture content of the panels and conditions in the factory during fabrication.
Extreme heat or relative humidity will impact the quality of the finished joinery/cabinetry and void this Warranty.

Handling

It is essential to keep the work area clean to avoid scratching or damaging pre- finished surfaces. Ensure to lift panels - do not slide across any surfaces with abrasive grit. Handling must be done in accordance with best practice OH&S policies. It is best for two or more people to handle the material to reduce the likelihood of damage.

Care must be taken not to install pre-finished boards in areas of direct sunlight as this will change the appearance of the finished panel. Any exposure to UV light will have an impact on the appearance of the finished product over time. Change in colour and appearance is a natural characteristic and not a defect.

Care and Maintenance of Finished Panels

Remove any spills immediately with a damp cloth if required (warm water is best). Do not use microfiber cloth. Never use abrasive cleaning agents or pads. Do not use bleach, acetone, thinners or methylated spirits. Take care not to rub excessively as this may cause damage to the coating.