

Eveneer. Prefinished

ALPIready, ALPIkord and Natural

Material Handling Guide

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GENERAL INFORMATION

We recommend that the goods are inspected within 7 days of delivery to ensure that they match your order and comply with the agreement. Please refer to clause 9 of our Terms and Conditions of Sale for further information.

DESCRIPTION

Eveneer Prefinished is a decorative surface in prefinished wood, ready for use. It comprises 2 layers of real timber veneer (Alpiready and Naturals) or one layer of timber supported on a phenolic back (Alpikord), factory finished on the face with a high-performance acrylic urethane polish complete with UV inhibitors. The result is a high-quality timber surface ready for application on all kinds of surfaces.

Eveneer Prefinished is offered as a flexible 1mm (nominal) thick sheet or as panels pressed on a range of substrates and can be certified FSC and E0.

PRODUCT USE

Eveneer Prefinished is suitable for use on interior wall panelling, joinery, furniture and doors, etc. and is not suitable for outdoor use.

STORAGE AND HANDLING

Eveneer Prefinished sheets must be stored flat at least 200mm from the floor, horizontally, face to face, at an ambient temperature between 10C and 30C and a relative humidity between 40% and 60% arranged on pallets, never resting directly on the floor.

As with all wood surfaces, for good preservation over time, Eveneer Prefinished must be protected from the sun by means of opaque, preferably dark, covering. Avoid contact, even temporary contact, with water and other liquids. Avoid condensation and dripping on the surface of the product. The sheets must be handled by two people. We recommend using the product within 12 months of delivery.

If the sheets are to be rolled, care should be taken to avoid bending or cracking. Please contact Elton Group for rolling instructions. It is not recommended that the veneer be stored in rolls.

Eveneer Prefinished is supplied with a clear protective film. It is recommended that the film be left on the surface while working the veneer. Colour uniformity and quality checks should be carried out on the sheets before working with the veneer. The protective film is clear enough to enable quality inspections to take place without removing it. When in doubt peel the film in the area, up to the area which is suspect. The recommended shelf life of the peel-off protective film is 1 year. Please check the manufacture date on the film. After this date the adhesive may begin to react with the polyurethane surface.

BACKING

To ensure appropriate counterbalancing it is advisable to use the same type of product, although HPL with characteristics that match those of the face may also be used. In any event, specific production tests should be carried out to assess the appropriateness of the product over time (3 – 7 days). Taking into consideration the dimensional tolerances of the substrate, a <3mm/1m bow on all liner backed laminated panels and <2mm/1m on all G2S laminated panels is industry standard.

CONDITIONING (SHEETS)

Before application it is essential to condition the Eveneer Prefinished sheet and substrate in the same place for 48 hours. Optimal conditions are 20° Celsius with a relative humidity of 40%-65%.

If sheets have arrived flat packed on a pallet, leave as is but cut straps. If sheets have arrived rolled in a box please remove from the box and lay flat wrapped in opaque plastic in a dry area raised off the floor. Apply weight evenly to the top of the sheets for at least 48 hours prior to pressing.

Packs of substrates for pressing should have the bands cut prior to the conditioning process to allow panels to adjust to prevailing climatic conditions and reduce stress in panels.

The ideal moisture content of E0 MR MDF panels is between 8-10% which may reduce to 7-10% in warmer weather. Moisture readings must be taken on at least 5% of panels used in any order (or 1 sheet in small orders) and recorded against each order to enable an audit trail if required in the future in the event of a complaint or claim.

Moisture readings must be taken on all top and bottom sheets prior to pressing.

EVEENER PREFINISHED PANELS (PRESSED)

Standard nominal panel size:

- Length: 2400/3000 mm
- Width: 1200mm
- Thickness: Typically 18/20/27/34mm



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SUBSTRATES

Standard substrate for Eveneer panels is E0 MR MDF manufactured to Australian Standards.

The standard nominal thickness range is:

- 16mm substrate = 18mm panel
- 18mm substrate = 20mm panel
- 25mm substrate = 27mm panel
- 32mm substrate = 34mm panel

Other substrates which may be required on an order-by-order basis include HMR Particleboard and Plywood for which specifications, pricing, lead-times and packaging will be negotiated on a case-by-case basis

The more resistant the substrate is to dimensional change (shrinking and expansion from changes in humidity and temperature) the better the result. The substrate must be smooth and free from grease, wax, dust, oil, silicones, etc. All raised areas must be sanded or filled so that the surface is smooth. The substrate must be uniform in thickness.

GLUES

The standard adhesive to be used in pressing Eveneer Prefinished will be cross linked PVA or as recommended by the adhesive manufacturer for the applicable application. All adhesives must conform to Australian Standards.

GLUEING WITH A STEEL-PLATE PRESS

The utmost care is needed in cleaning the plates of the press, to avoid dents or damage to the finished surface. A varnished surface that is damaged by particles pressed between the metal plate and the decorative surface is difficult to repair. The protective film must always be lying perfectly smooth on the surface of Eveneer Prefinished, to avoid pressing folds into the surface. Apply the veneer glue evenly, in the same quantity, on both sides of the panel. The quantity of glue must be dosed so that it does not leak out from the edges under pressure and damage the decorative surface. The pressure must be between 2 kg/cm² and 5 kg/cm² to ensure the correct bonding. Never allow the temperature to rise above 60° – 70° Celsius for durations from 2 to 3 minutes when using thermosetting glue. The application of Eveneer Prefinished on surfaces with an elevated coefficient of thermal expansion (metal and other surfaces) could lead to warping and delamination due to sudden changes in temperature and humidity.

ACCLIMATISATION (PANELS)

The pressed panel should be block stacked with the correct number of gluts for the panel length (see Packaging and Labelling) and left for a further 48 hours inside and away from open doors before use.

PACK SIZES

Standard pack sizes for the thicknesses of E0 MR MDF as noted under the Substrate clause (above) will be:

- 16mm—30 sheets
- 18mm—30 sheets
- 25mm—20 sheets
- 32mm—15 sheets

Standard pack sizes for the same thicknesses in HMR Particleboard will apply.

Pack sizes for other thicknesses and other substrates or for made to order (MTO) requirements will be by negotiation on a case-by-case basis.

PACKAGING AND LABELLING

All completed packs, whether standard or MTO will be square packed with eco-friendly plastic or similar wrapping on all 4 sides with top and bottom cover sheets to protect the product from handling damage.

A minimum number of timber or similar material bearers will be strapped to the base of all packs to facilitate forklift handling.

- 2400mm length—3 gluts/bearers
- 2700mm length—4 gluts/bearers
- 3000mm length—5 gluts/bearers

Strapping will be eco-friendly plastic or similar tensioned to ensure minimal movement of panels and no strapping damage during transport. Appropriate corner protectors will be used under all strapping.

CLEANING

Eveneer Prefinished surfaces are easy to clean with natural-fibre cloth moistened with water. Neutral, non-abrasive detergent may be used. Avoid the use of solvents such as acetone, nail polish remover or paint thinner.

PLEASE NOTE

Seal all exposed/cut edges on your finished product to prevent moisture absorption into the timber layer.

As in all wood working operations, it is essential that adequate protection is taken against the contact and the breathing of wood dust when processing, and that normal workplace hygiene practices are followed.

For further information, please refer to eltongroup.com/eveneer-prefinished

