



Fully sustainable 100% recycled E0 commercial-grade moisture resistant particleboard.

Made in Australia.

LFE E0 (low formaldehyde emission) board made using 100% recycled timber particleboard, is PEFC and GECA certified, and manufactured to Australian Standards. Luxwood is a low pressure melamine overlaid panel (LPM) is manufactured with one layer of melamine impregnated decorative paper on each side

This Moisture Resistant LPM board is recommended for applications subject to high humidity conditions and is designed for interior applications such as: Office furniture, commercial shelving, cupboard doors, and partitions. Making it suitable for retail fit-outs, schools, hospitals and offices.

All worktops and joinery made with Luxwood come with a Circular Lifecycle Guarantee. The process has been refined to save 130,000 tonnes of wood wastage that would have gone into landfill.

No premium surcharge is added to promote environmental practices. Using 100 Luxwood tops of 1800mm x 900mm saves one tree from being felled along with a tree being planted in our one-for-one donation program with Reforest Now.

Luxwood can contribute to achieving credit points for projects being certified under the Green Building Council of Australia's Green Star Performance tool and recognised by the Infrastructure Sustainability Council of Australia's rating scheme.





Specifications

Thickness Board size Weight

25mm 3600mm x 1800mm 20.0kg/m²

18mm 3600mm x 1800mm 14.38kg/m²

Composition

Chemical Entity CAS No. Proportion Wood particles from recycled wood None >85%

Urea formaldehyde resin 9011-05-6 <9% Melamine urea

formaldehyde resin 25036-13-9 <10%

Paper None <2%

Wax 8002-74-2 <2%

Emissions

Total VOC Emission Rate (ASTM D5116-97) <0.05 mg/m²/hr

Panels Formaldehyde (AS/NZS 4266.1 S17) 0.39 mg/L

Environmental Certifications

PEFC Chain of Custody for Forest Products (AS 4707) No. PEFC702235.

ISO 14001:2015 Manufacturing of Contract Furniture EMS 604458.

This product has been independently certified as meeting the requirements of Good Environmental Choice Australia Panel Boards (GECA 04-2011 v2i). See www.geca.eco.

Standards

Luxwood Complies with the following standards:

AS/NZS 1859.1 Particleboard

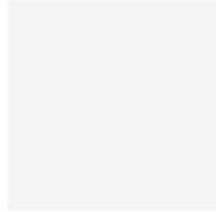
AS/NZS 1859.3 Decorative Surface



Finish Options



Solid Colour



LuxWhite



LuxBlack



LuxGrey

Timber Look

LuxBirch



LuxWalnut



LuxOak



LuxMaple



Typical Properties

Property Specification

Thickness Designated thickness +/- 0.3mm

Length and Width Oversize - over time margin may be up to 50mm Nominal, +10mm, -0mm
Cut-to-Size +/-1.0mm

Squareness Deviation of less than 1.5mm per square

Straightness of Edge Deviation of less than 1.5mm per square

Flatness Deviation of less than 1.5mm per square

| Property | Units | Typical Value |
|-------------------------|-------|---------------|
| Moisture Content | % | 7 |
| Formaldehyde Content | mg/l | <0.5 (E0) |
| Internal Bond Strength | MPa | >.5 |
| Bending Strength (MOR) | MPa | >16 |
| Bending Stiffness (MOE) | MPa | >2500 |
| 24 Hour Thickness Swell | % | <12 |
| Screw Holding - Face | N | >700 |
| Screw Holding - Edge | N | >700 |

