



PLYWOOD and Core Materials

ABOUT PLYWOOD

Plywood is found in many areas of the building industry – from highly visible applications where it is a key feature of the building such as wall and ceiling panels, down to ‘hidden’ areas such as bracing ply where it is quietly doing its job in a wall cavity.

At Gen-Eco EWP, we cater for all aspects of applications – from high end products such as European Birch and Hoop Pine, all the way down the plywood family tree to industrial grades. The vast majority of plywood is produced from plantation-grown timbers and certainly at Gen-Eco, we take great care in where we source our plywood from.

Our range of Plywood products include:

- European Birch Plywood (jumbo and standard)
- Hoop Pine Plywood
- Bendy Plywood
- Falcatta Lightweight Plywood
- Balsa Banova Plywood
- Structural and Non-Structural Plywood
- BB/CC Hardwood Exterior Plywood
- F17 Hardwood Structural & T&G Flooring Ply
- Door Skins
- F17 Structural Formply & Film-Faced Plywood
- Transportable Building, RV and Caravan Plywood
- Perforated and Pre-Finished plywood

European Birch Plywood | University Sunshine Coast – Moreton Bay Campus



Plywood is recognized as an eco-friendly material as it has low embodied energy, which means that the manufacturing process does not consume large amounts of energy during production. Most of the energy used to produce plywood is derived from waste during the manufacturing process which is converted into steam to run driers and presses etc.

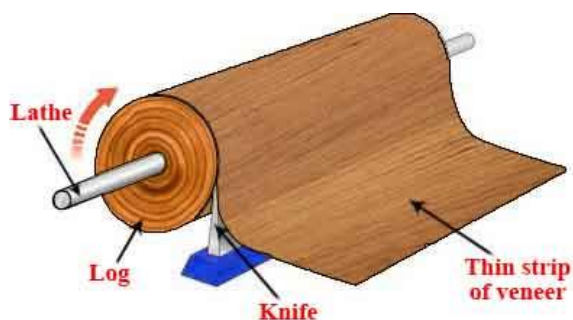
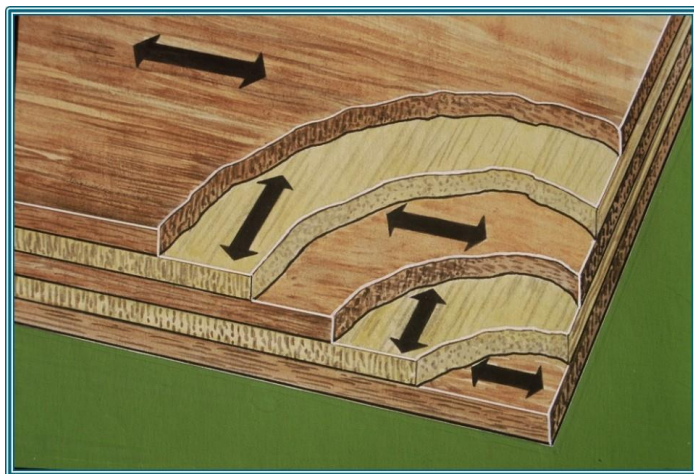


Illustration of rotary peeling of veneer for plywood manufacture

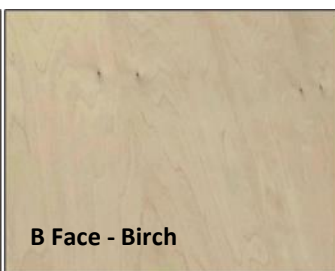
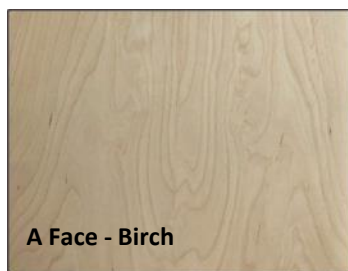


Typical example of plywood construction showing the veneers at alternate angles to each other.

FACE GRADES

In the main, plywood is graded into 4 face grades – A, B, C and D. A is the highest quality, whilst D is the lowest. Plywood is usually described by using the face and back description eg, AC, CD etc. The first letter is always the face grade and the last letter is the back.

The quality of the grade can vary slightly depending on the specie. As an example, Birch or Hoop ply will look better than a Radiata Pine.



This grade is often described as an appearance grade and is usually clear finished to highlight the quality of the veneer. The main application for A faced plywood is for ceilings and walls.

Slightly down from A, this grade will allow for small tight knots and minor filled cracks in the veneer. B grade Birch or Hoop is often used in joinery and shopfitting applications. This face grade is also suitable for high quality paint finishes.

The most common grade of general plywood, this grade allows for filled (putty) knot holes and filled splits in the veneer with a sanded face. Available in both Structural and Non-Structural grades, this grade has many applications from DIY projects around the home to large commercial projects.

This grade can vary slightly depending on the plywood, but often the knot holes and veneer splits will not be filled or sanded. D faces are always the back of the sheet except for DD where both faces will be the same. This plywood is usually used in applications where it is not visible such as wall nogging.

EUROPEAN BIRCH PLYWOOD (STANDARD)

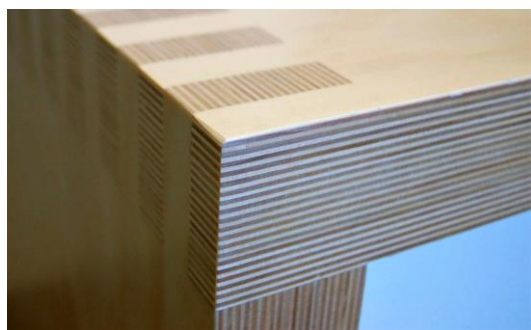
Gen-Eco's European Birch plywood is a multi-layered plywood panel manufactured from 1.5mm thick veneers which produce a panel of uniform appearance. It is produced from slow growing plantation logs sourced across the northern hemisphere from Russia to Scandinavia. The slow growth produces veneer that is close-grained and of a consistent high quality.

2440mm B/BB Multiply - Long-grain Rotary Veneer

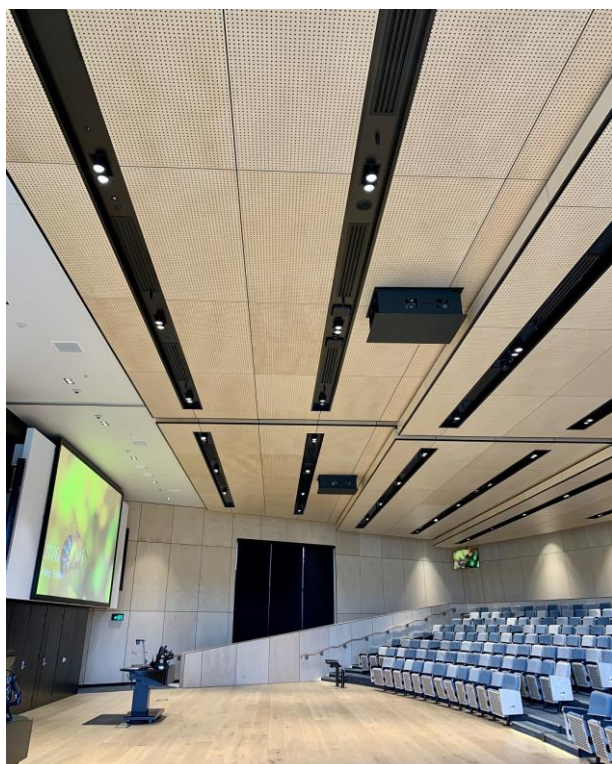
High quality rotary veneer is used for the face and back of this plywood and it is constructed with a multiply construction. Multiply is a term used to describe that the plywood is produced with the same thickness veneers throughout resulting in a stable product which is also visibly appealing.

Highly sort after for wall and ceiling applications where the plywood is clear finished to highlight its unique character.

Sheet Size (mm)	Pack Qty	Avg Sht Weight
2440 x 1220 x 1.5mm	80	3.2kg
2440 x 1220 x 3mm	65	6.5kg
2440 x 1220 x 4mm	44	8.3kg
2440 x 1220 x 6mm	65	12.5kg
2440 x 1220 x 9mm	44	18.8kg
2440 x 1220 x 12mm	33	25.0kg
2440 x 1220 x 15mm	26	31.3kg
2440 x 1220 x 18mm	22	37.5kg
2440 x 1220 x 24mm	16	50.0kg
2440 x 1220 x 30mm	12	62.6kg
2440 x 1220 x 36mm	12	75.0kg
2440 x 1220 x 40mm	12	83.4kg
2440 x 1220 x 48mm	12	99.8kg



Birch multiply edge detail



Birch wall panels – Christie Downs School, Adelaide SA (above)

Perforated ceiling and solid Birch wall panels
USC Moreton Bay campus (left)

EUROPEAN BIRCH PLYWOOD (JUMBO)

3000mm A/B Multiply - Long-grain Rotary Spliced Veneer

Gen-Eco long band A/B Birch is the only long band 100% Birch Plywood available in Australia. The face and back are spliced rotary veneers. The A face of the 1220mm sheet has a maximum of 6 leaves per face whilst the 1530mm sheet has a maximum of 8 leaves.

These panels are suitable for clear finished wall and ceiling panels and all joinery applications where traditional cross-banded (4 x 8) panels would be used.

Sheet Size (mm)	Pack Qty	Avg Sht Weight
3050 x 1220 x 6mm	55	15.6kg
3050 x 1220 x 9mm	44	23.4kg
3050 x 1220 x 12mm	33	31.2kg
3050 x 1220 x 15mm	26	39.0kg
3050 x 1220 x 18mm	22	46.8kg
3050 x 1220 x 24mm	16	62.5kg
3050 x 1220 x 30mm	30	78.0kg
Sheet Size (mm)	Pack Qty	Avg Sht Weight
3050 x 1530 x 6mm	55	19.5kg
3050 x 1530 x 9mm	44	29.3kg
3050 x 1530 x 12mm	33	39.0kg
3050 x 1530 x 15mm	26	49.0kg
3050 x 1530 x 18mm	22	58.7kg
3050 x 1530 x 24mm	16	78.2kg
3050 x 1530 x 30mm	30	97.9kg



Example of sliced face on 3050mm jumbo sheet



Jumbo European Birch Plywood | Taronga Institute of Science & Learning

CLEAR BIRCH PLYWOOD

As the name suggests, our high grade Birch plywood has been produced with a clear melamine finish on both sides of the panel. This process provides a cost advantage over the traditional method of coating with a polyurethane coating. In conjunction with a matching ABS edging, this will allow our plywood to be used for kitchen cupboard doors due to a higher stability.

The melamine coating is resistant to scratches, peeling, blistering and cracking. It has a proven durability, is easy to clean and maintain and is a healthy alternative to traditional spraying.



Suitable for severe conditions in both indoor/outdoor applications. Some of the key characteristics include resistance to boiling water and steam, changes in temperature and climatic conditions. It is suitable for use in kitchens, bathrooms, wall and ceiling applications.

	Abrasion & Scratch resistance	Aggressive chemicals resistance acids, alkalies – washing agents	Steam & Boiling water resistance	Water permeability resistance	Weathering resistance (direct sunlight, heating/frosting, water flooding/drying)
ClearPly					
UV lacquer					

Sheet Size (mm)	Pack Qty	Avg Sht Weight
2440 x 1220 x 6mm	65	12.5kg
2440 x 1220 x 9mm	44	18.8kg
2440 x 1220 x 12mm	33	25.0kg
2440 x 1220 x 15mm	26	31.3kg
2440 x 1220 x 18mm	22	37.5kg
2440 x 1220 x 24mm	16	50.0kg
2440 x 1220 x 30mm	12	62.6kg



EUROPEAN BIRCH PLYWOOD (OVERLAY GRADE)

This plywood is designed for applications where a quality ply is required but where the surface will be overlaid with another material such as laminate or timber veneers. Available in BB/CP and CP/CP face and backs, this plywood has 'cross-banded' faces which means the veneer runs in the opposite direction of traditional plywood.

Sheet Size (mm)	Pack Qty	Avg Sht Weight	Sheet Size (mm)	Pack Qty	Avg Sht Weight
1220 x 2440 x 4mm	80	8.3kg	1220 x 3050 x 6mm	55	15.6kg
1220 x 2440 x 6mm	65	12.5kg	1220 x 3050 x 9mm	44	23.4kg
1220 x 2440 x 9mm	44	18.8kg	1220 x 3050 x 12mm	33	31.2kg
1220 x 2440 x 12mm	33	25.0kg	1220 x 3050 x 15mm	26	39.0kg
1220 x 2440 x 15mm	26	31.3kg	1220 x 3050 x 18mm	22	46.8kg
1220 x 2440 x 18mm	22	37.5kg	1220 x 3050 x 24mm	16	62.5kg
1220 x 2440 x 24mm	16	50.0kg	1220 x 3050 x 30mm	30	78.0kg
1220 x 2440 x 30mm	12	62.6kg			



Sheet Size (mm)	Pack Qty	Avg Sht Weight
1530 x 3050 x 6mm	55	19.5kg
1530 x 3050 x 9mm	44	29.3kg
1530 x 3050 x 12mm	33	39.0kg
1530 x 3050 x 15mm	26	49.0kg
1530 x 3050 x 18mm	22	58.7kg
1530 x 3050 x 24mm	16	78.2kg
1530 x 3050 x 30mm	30	97.9kg

EUROPEAN BIRCH PLYWOOD (B/BB FURNITURE GRADE)

This plywood is a budget version of our high grade B/BB. The only variation between the two products is the thickness of the face veneer. Furniture grade has a thinner veneer of 0.5mm compared to 1.5mm in the higher grade. This plywood has the same multi-ply construction and long grain rotary face and back. The plywood is produced with a Type 'A' glue-line.

Sheet Size (mm)	Pack Qty	Avg Sht Weight
2440 x 1220 x 4mm	80	8.3kg
2440 x 1220 x 6mm	65	12.5kg
2440 x 1220 x 9mm	44	18.8kg
2440 x 1220 x 12mm	33	25.0kg
2440 x 1220 x 15mm	26	31.3kg
2440 x 1220 x 18mm	22	37.5kg
2440 x 1220 x 24mm	16	50.0kg
2440 x 1220 x 30mm	12	62.6kg



Image highlights the multi-ply edge detail of our Birch Ply

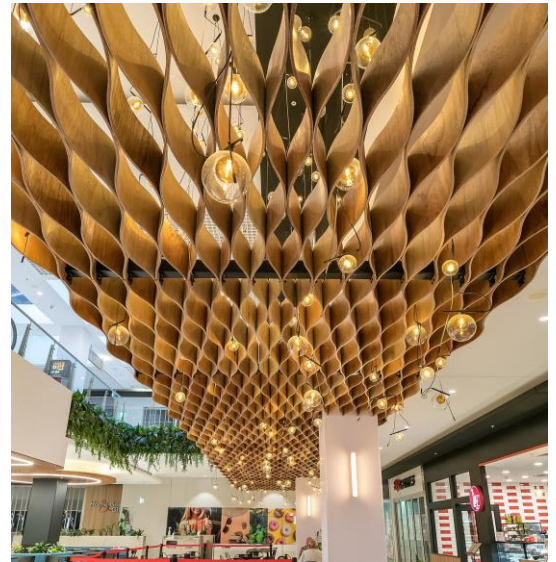
BENDY PLYWOOD

Gen-Eco Bendy Plywood is produced with a 3 ply construction. Typically made with a thin centre core and two thicker surface veneers, It has the ability to bend around a tight radius. The sheets bend either along the length of the sheet (long grain) or across the width of the sheet (cross grain) and are lightweight at an average of 350kg/m³.

Bendy Plywood is manufactured with a Melamine Urea Formaldehyde glue, so it is designed for interior use only.

Cross grain sheets are ideal for shop-fitting applications such as reception counters, whereas long grain sheets are ideal for creating 2400mm high vertical columns.

Sheet Size (mm)	Pack Qty	Avg Sht Weight
2440 x 1220 x 6mm	100	6.25kg
1220 x 2440 x 6mm	100	6.25kg
2440 x 1220 x 8mm	100	8.4kg
1220 x 2440 x 8mm	100	8.4kg
2440 x 1220 x 12mm	100	12.5kg
1220 x 2440 x 12mm	100	12.5kg
2440 x 1220 x 16mm	100	16.7kg
1220 x 2440 x 16mm	100	16.7kg
3050 x 1220 x 6mm	100	7.8kg
1220 x 3050 x 6mm	100	7.8kg
3050 x 1220 x 8mm	100	10.5kg
1220 x 3050 x 8mm	100	10.5kg



HOOP PINE PLYWOOD

Gen-Eco's Hoop Pine plywood is a multi-layered plywood panel manufactured from 1.5mm thick veneers which produce a panel of uniform appearance.

Hoop Pine is native to the forests of southeast QLD and northern NSW. Hoop Pine logs produce a warm light toned veneer that has been specified by architects and designers for decades. Typically, Hoop Pine Plywood is used as an appearance grade for applications such as wall and ceiling linings and high-end joinery.

Sheet Size (mm)	Pack Qty	Avg Sht Weight
2440 x 1220 x 1.5mm	25	2.7kg
2440 x 1220 x 3mm	25	5.4kg
2440 x 1220 x 6.5mm	25	11.6kg
2400 x 1200 x 9.5mm	25	16.4kg
2400 x 1200 x 12.5mm	25	21.6kg
2400 x 1200 x 16mm	25	27.6kg
2400 x 1200 x 18mm	20	31.1kg
2400 x 1200 x 25mm	10	43.2kg
2400 x 1200 x 30mm	10	51.8kg



Curved Hoop Pine ply ceiling

FALCATA LIGHTWEIGHT PLYWOOD

Our Falcata lightweight plywood is approximately 350kg/m³ which is about half the weight of a typical pine plywood. Manufactured with a Falcata core and hardwood face and back, this plywood is ideal for overlay with paper or laminate. With a MUF glue-line, Falcata is suitable for internal applications only. The face colour can vary from blonde, brown or red.

Sheet Size (mm)	Pack Qty	Avg Sheet Weight
2440 x 1220 x 2.7mm	380	3.2kg
2440 x 1220 x 3.6mm	295	4.3kg
2440 x 1220 x 6mm	150	7.2kg
2440 x 1220 x 9mm	110	10.8kg
2440 x 1220 x 12mm	83	14.3kg
2440 x 1220 x 15mm	63	17.9kg
2440 x 1220 x 18mm	54	21.5kg
2440 x 1220 x 25mm	40	29.8kg
2745 x 1220 x 9mm	110	12.0kg
2745 x 1220 x 12mm	83	16.0kg
2745 x 1220 x 15mm	63	20.0kg
2745 x 1220 x 18mm	54	24.1kg
3660 x 1220 x 12mm	83	21.4kg
3660 x 1220 x 15mm	63	26.7kg
3660 x 1220 x 18mm	54	32.1kg



Falcata Face

PLYWOOD DOOR SKINS

Plywood door skins are used for the face and back of flush panel doors. Produced from hardwood veneers, this ply is suitable for doors requiring a high quality paint finish.

Sheet Size (mm)	Pack Qty	Avg Sht Weight
2135 x 938 x 3.6mm	190	3.78kg
2440 x 938 x 3.6mm	190	4.32kg
2440 x 1220 x 3.6mm	190	5.65kg
2745 x 1220 x 3.6mm	190	6.3kg
3050 x 1220 x 3.6mm	190	7.0kg
3050 x 1530 x 3.6mm	190	8.8kg



BALSA BANOVA PLYWOOD

Gen-Eco Balsa Banova Plywood is the worlds lightest plywood panel, made from forestry managed balsa veneer.

Balsa Banova Plywood is only available in Australia from Gen-Eco Environmental Wood Products.

Balsa Banova Plywood offers minimal weight with high stability. It offers weight reduction of between 50-70% in comparison to conventional wood panels.

This quality lightweight plywood offers high thermal insulation, lamination abilities plus being a sustainable resource.

Applications: Caravan/RV and truck bodies / Shopfitting/Exhibition Displays / Partition walls / Ceiling Bulkheads

Benefits: Lightweight / High Stability / High Thermal Insulation / Lamination Abilities / Sustainable

Sheet Size (mm)	Pack Qty	Avg Sht Weight
2440 x 1220 x 12mm	89	9.0kg
2440 x 1220 x 15mm	76	11.2kg
2440 x 1220 x 18mm	63	13.4kg
2440 x 1220 x 25mm	40	18.6kg
2440 x 1220 x 50mm	20	37.2kg
3050 x 1220 x 50mm	20	46.5kg



STRUCTURAL PLYWOOD – F8

Gen-Eco Structural Plywood that complies to AS2269 is made from veneers that are known to conform to various ratings eg: F8 or F11.

This provides engineers and other parties a known standard to work to when the plywood will be used under load such as bracing or flooring.

Typically produced from Radiata Pine veneers, Structural Plywood is usually available in CD and DD grades. The C face will contain puttied knots and splits whilst the D back will have unfilled knots and splits.

Sheet Size (mm)	Pack Qty	Avg Sht Weight
2400 x 1200 x 7mm	75	12.0kg
2400 x 1200 x 9mm	60	15.0kg
2400 x 1200 x 12mm	45	20.0kg
2400 x 1200 x 15mm	35	25.7kg
2400 x 1200 x 18mm	32	28.1kg
2400 x 1200 x 21mm	28	32.1kg
2400 x 1200 x 25mm	20	41.4kg



NON-STRUCTURAL PLYWOOD

The term Non-Structural is used to describe plywood that has not been tested to achieve any structural rating meaning the plywood is not designed to carry load.

In saying that, it is probably the most popular form of plywood sold in Australia mainly due to it's price point.

Typically produced from Radiata Pine timber, most non-structural plywood is imported from South America - in particular Chile.

Applications are varied and can range from lightweight shelving, wall lining (not as bracing), hobby projects etc.

Available in AA, AC, BC and CD grades – please call our sales office to check availability on 07 3807 9308.

Sheet Size (mm)	Pack Qty	Avg Sht Weight
2440 x 1220 x 6.5mm	140	10.3kg
2440 x 1220 x 9mm	108	14.2kg
2440 x 1220 x 12mm	80	19.0kg
2440 x 1220 x 15mm	65	24.2kg
2440 x 1220 x 18mm	54	28.6kg
2440 x 1220 x 21mm	45	32.8kg
2440 x 1220 x 25mm	39	39.1kg
2440 x 1220 x 30mm	20	46.9kg



T&G STRUCTURAL FLOORING AS2269 F8 PINE PLYWOOD

This plywood is designed for use as a structural flooring for domestic and commercial applications. It has grooved edges and fitted with a PVC tongue. This is designed to support the plywood across flooring joists and reduce sag and the 'bounce' effect when walking on the join area.

Sheet Size (mm)	Pack Qty	Avg Sht Weight
2400 x 1200 x 15mm	35	23.7kg
2400 x 1200 x 18mm	30	28.5kg
2400 x 1200 x 25mm	20	39.5kg



F17 C/C HARDWOOD STRUCTURAL – WBP AS2269 Cross Band

Sheet Size (mm)	Avg Sht Weight
2400 x 1200 x 6mm	11.2kg
2400 x 1200 x 9mm	16.8kg
2400 x 1200 x 12mm	22.5kg
2400 x 1200 x 15mm	28.0kg
2400 x 1200 x 17mm	31.8kg
2400 x 1200 x 18mm	33.7kg
2400 x 1200 x 21mm	39.3kg
2400 x 1200 x 25mm	46.8kg
2400 x 1200 x 30mm	56.1kg
2400 x 1200 x 40mm	74.9kg
2745 x 1220 x 12mm	26.1kg
2745 x 1220 x 15mm	32.6kg
2745 x 1220 x 18mm	39.1kg
2745 x 1220 x 25mm	54.4kg
3050 x 1220 x 6mm	14.5kg
3050 x 1220 x 9mm	21.7kg
3050 x 1220 x 12mm	29.0kg
3050 x 1220 x 15mm	36.2kg
3050 x 1220 x 18mm	43.5kg
3050 x 1220 x 25mm	60.5kg

This certified structural plywood has Birch cross band faces with a eucalypt core. All panels are glue line treated to H1 against borer attack. Face & back faces are C grade.



BB/CC HARDWOOD EXTERIOR CERTIFIED PLYWOOD

Gen-Eco's BB/CC Grade Hardwood Exterior Plywood is manufactured from mixed hardwood veneers which can vary in colour from light pink to dark brown.

The plywood is often referred to as WBP (water boil proof). This is in reference to the test applied to the glue-line after manufacture where samples are subjected to a 72 hour test in boiling water. Both front and back faces are sanded. BB/CC is classed as a non-structural plywood however it is quite strong due to the hardwood veneers used.

Sheet Size (mm)	Pack Qty	Avg Sht Weight
2440 x 1220 x 3.6mm	250	5.6kg
2440 x 1220 x 6mm	150	9.4kg
2440 x 1220 x 9mm	100	14.0kg
2440 x 1220 x 12mm	75	18.7kg
2440 x 1220 x 15mm	60	23.5kg
2440 x 1220 x 18mm	50	28.1kg
2440 x 1220 x 25mm	36	39.2kg
2745 x 1220 x 3.6mm	150	6.3kg
3050 x 1220 x 3.6mm	150	7.1kg
3050 x 1530 x 3.6mm	150	8.8kg



BS 1088 MARINE PLYWOOD

BS 1088 Marine Plywood has become a world-wide recognised standard for high quality plywood. The term BS stands for British Standard. This is an international standard for high quality plywood produced anywhere in the world, but it must be produced to this standard. BS 1088 Marine is produced using hardwood veneers and can vary in colour from pink, brown and light red.

Sheet Size (mm)	Pack Qty	Avg Sht Weight
2440 x 1220 x 6mm	150	11.4kg
2440 x 1220 x 9mm	100	17.4kg
2440 x 1220 x 12mm	75	25.6kg
2440 x 1220 x 15mm	60	30.0kg
2440 x 1220 x 18mm	50	36.7kg
2440 x 1220 x 25mm	36	52.5kg



F17 Structural Formply & Non Structural Film Face Plywood

Structural Formply is designed to support poured concrete during the curing process. It has to withstand the immense weight at this stage. Non Structural Film Face may look like Formply, but under no circumstances should it be used to support concrete. This product is Non Structural and is suitable for use where load is not being exerted. It is suitable however where you need a plywood substrate with a black surface for projects like tabletops, desks and cabinets.

F17 Structural Formply		
Sheet Size (mm)	Pack Qty	Avg Sht Weight
1800 x 1200 x 17mm		25.7kg
2400 x 1200 x 12mm	61	24.2kg
2400 x 1200 x 17mm	43	34.3kg
Non Structural Film Face		
Sheet Size (mm)	Pack Qty	Avg Sht Weight
2440 x 1220 x 12mm	61	18.5kg
2440 x 1220 x 17mm	43	27.6kg



Above -Non Structural Film Face as a table top



Left – Genuine Structural Formply being used on a construction site

B/B General Purpose Multiply Plywood

This plywood is manufactured from bleached poplar long bands and eucalypt cross bands (combi ply). The glue-line is a Type 'B' MR bond with a H1 hazard level treatment for protection against lyctid borer attack (not termites). This clear glue-line makes this ply ideal for laser cutting and any interior overlay application.

Sheet Size (mm)	Pack Qty	Avg Sht Weight
2440 x 1220 x 9mm	100	12.2kg
2440 x 1220 x 12mm	75	16.5kg
2440 x 1220 x 15mm	60	19.9kg
2440 x 1220 x 18mm	50	24.5kg
2440 x 1220 x 25mm	36	34.8kg

With Australia's growing love for caravanning holidays, the renovation of older vans is also expanding. Gen-Eco stocks a range of woodgrains and plain colours which are ideally suited for renovators to work with. Being plywood, the sheets are easy to work with and can be cut with normal tools that a home renovator would have.

Plywood is also a major material used in the construction of transportable buildings and our range is ideally suited for this industry.



Woodgrain	Sheet Size
Pecan	2440 x 1220
Rock Maple	2440 x 1220
Neo Oak	2440 x 1220
Walnut	2440 x 1220
Rosa Teak	2440 x 1220
Italian Nyatoh	2440 x 1220
White Oak	2440 x 1220
Plain Colours	
White Matt	2400 x 1200
White Matt	2440 x 1220
White Gloss	2440 x 1220
White Embossed	2400 x 1200
White Crystal	2440 x 1220
White Leather	2440 x 1220
Illusion	2440 x 1220
Bulky White Top	2440 x 1220
Grey Embossed	2400 x 1200
Grey Embossed	2440/2700 x 1220
Silver Cloud	3050 x 1220
Silver Cloud	3600 x 1200





Neo Oak



Rock maple



Pecan



Rosa Teak



Walnut



White Oak



Italian Nyatoh



Silver Cloud



White Embossed



Bulky White Top



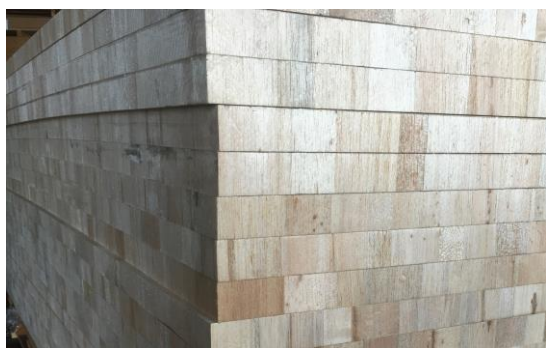
White Crystal



White Leather

Gen-Eco Ultra-light Balsa end-grain panels are produced from certified plantation grown Balsa (the world's lightest commercially grown tree). These panels are an ideal core material resulting in an extremely light and strong product. Balsa's end-grain configuration creates optimal physical properties due to the honeycomb like structure of this unique tree. Our Balsa panels are available as both a standard end-grain sheet or more typically with a MDF skin applied to both sides of the sheet. These panels are commonly used for high quality with: Timber Veneer/ Large Format Digital Printing/ Laminate/ Decorative Paper etc

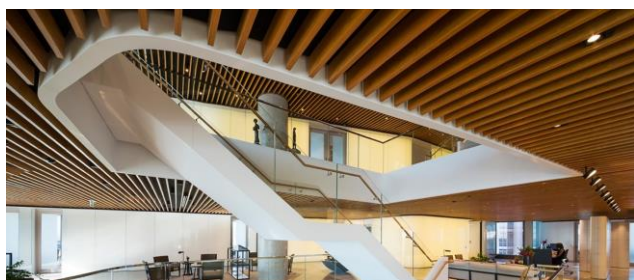
Standard End-grain Panels			Balsa/MDF Panels (4.75mm MDF skin)		
Sheet Size (mm)	Pack Qty	Avg Sht Weight	Sheet Size (mm)	Pack Qty	Avg Sht Weight
2440 x 1220 x 10mm	60	3.6kg	2440 x 1220 x 15mm	75	24.7kg
2440 x 1220 x 12mm	50	4.3kg	2440 x 1220 x 18mm	60	25.9kg
2440 x 1220 x 15mm	45	5.4kg	2440 x 1220 x 25mm	40	21.1kg
2440 x 1220 x 18mm	40	6.4kg	2440 x 1220 x 31mm	40	23.2kg
2440 x 1220 x 25mm	25	8.9kg	2440 x 1220 x 35mm	25	24.7kg
2440 x 1220 x 32mm	20	11.4kg	3660 x 1220 x 35mm	25	47.7kg
2440 x 1220 x 35mm	20	12.5kg	2440 x 1220 x 50mm	15	29.8kg
2440 x 1220 x 40mm	15	14.3kg	3660 x 1220 x 50mm	15	55.3kg
2440 x 1220 x 44mm	15	15.7kg	2440 x 1220 x 75mm	10	38.7kg
2440 x 1220 x 50mm	10	17.9kg	3660 x 1220 x 75mm	10	69.1kg
2440 x 1220 x 64mm	10	26.8kg	2440 x 1220 x 81mm	10	41.1kg
2440 x 1220 x 69mm	5	35.7kg	2440 x 1220 x 100mm	5	48.0kg



Balsa End-Grain Panels



Balsa/MDF Panels



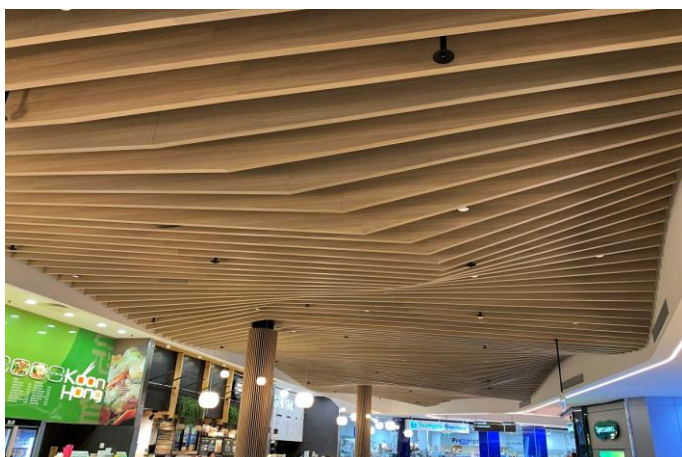
Balsa core material with timber veneer beams



Balsa core material with digitally printed beams

Gen-Eco Falcata panels are made from edge glued Falcata lumber. The Falcata tree is fast growing with a harvest typically occurring between 5 to 7 years. With a nominal density of 330kg/m³, Falcata is less than half the weight of MDF and has excellent screw holding. Falcata is an ideal substrate as the core material for ceiling beams/fins, overlaid panels and benchtop substrate. With MDF skins applied it can be painted and overlaid with laminate, timber veneer, paper foil and digital printing.

Sheet Size (mm)	Pack Qty	Avg Sht Weight
2130 x 915 x 27.5mm	20	17.7kg
2130 x 915 x 33mm	20	21.2kg
2130 x 915 x 38mm	10	24.5kg
2130 x 1220 x 27.5mm	20	23.6kg
2130 x 1220 x 33mm	20	28.3kg
2130 x 1220 x 38mm	10	32.6kg
2440 x 1220 x 25mm	20	24.5kg
2440 x 1220 x 27.5mm	20	27.0kg
2440 x 1220 x 29mm	20	28.5kg
2440 x 1220 x 32mm	20	31.5kg
2440 x 1220 x 33mm	20	32.5kg
2440 x 1220 x 38mm	10	37.4kg
2440 x 1220 x 40mm	10	39.3kg
3050 x 1220 x 29mm	10	35.6kg
3050 x 1220 x 32mm	10	39.3kg
3660 x 1220 x 29mm	10	47.4kg
3660 x 1220 x 32mm	10	47.1kg
3660 x 1220 x 33mm	10	48.6kg
3660 x 1220 x 40mm	10	58.9kg



ECONO Falcata core overlaid with foil laminate

ECONO Falcata core beams with Tas Oak foil

Gen-Eco produce a range of lightweight solid core doors using Balsa end-grain as the core layer which reduces the overall weight. Doors can be manufactured up to 2700 x 1800mm in size (even larger if required). All doors are made to order and are suitable for being finished with paint, timber veneer, laminate and digital printing.

The door constructions uses a 127mm internal Hoop Pine or MDF frame with MDF faces.

WIDTHS UP TO	THICKNESS	HEIGHTS UP TO		
		2100mm	2400mm	2700mm
450mm	35mm	X	X	X
	40mm	X	X	X
	44mm	X	X	X
600mm	35mm	X	X	X
	40mm	X	X	X
	44mm	X	X	X
870mm	35mm	X	X	X
	40mm	X	X	X
	44mm	X	X	X
920mm	35mm	X	X	X
	40mm	X	X	X
	44mm	X	X	X
1000mm	35mm	X	X	X
	40mm	X	X	X
	44mm	X	X	X
1200mm	40mm	X	X	X
	44mm	X	X	X
1500mm	44mm	X	X	X
1800mm	44mm	X	X	X

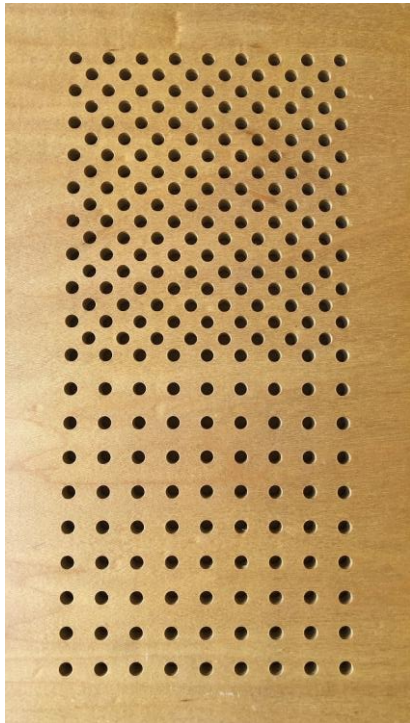


Image shows a door during construction with MDF frame and Balsa core

At Gen-Eco we can offer many alternatives for value adding of panel products.

These include:

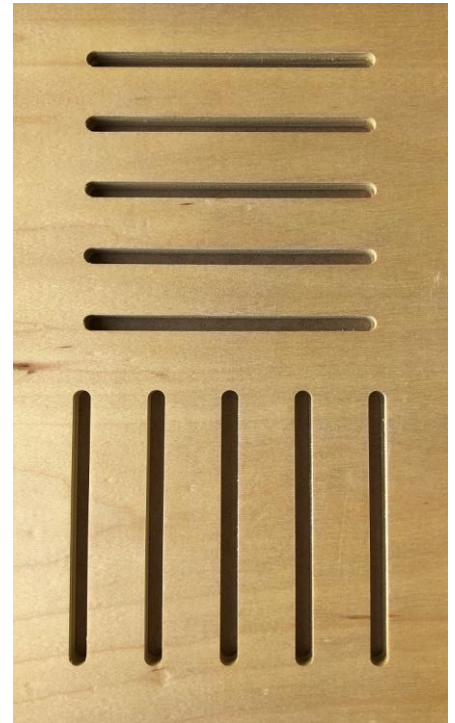
- Cut to size of panels including plywood, MDF, Balsa & Falcata core material
- Perforation and slotting of panels for sound attenuation
- UV clear coating of panels including digitally printed CFC/FC panels (+ anti-graffiti)
- Contract pressing on any substrate with various surfaces including (but not limited to) laminate, foils and vinyl.



Example of perforations.
Multitude of patters and hole
sizes available



Example of a tapered slot using
black core MDF.



Example of slots. Multitude of
patters and slot sizes available

Gen-Eco is a division of Ashden Trading Pty Ltd, a family owned Australian company based at Stapylton QLD. We are able to supply both interstate and overseas and have completed projects in every Australian state. We work closely with architect/designers, builders and shopfitters to ensure a smooth transition from specification to completed project.

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