



Worldwide Wood Flooring Importers, Distributors & Agents

## ESSENTIAL BUYER'S GUIDE **PLYWOOD**

Q-Mark Hardwood • Mixed Light Hardwood  
Pine Softwood • FG1™ Flooring Grade OG1 • Overlay Grade

**FG1**<sup>™</sup>  **OG1**

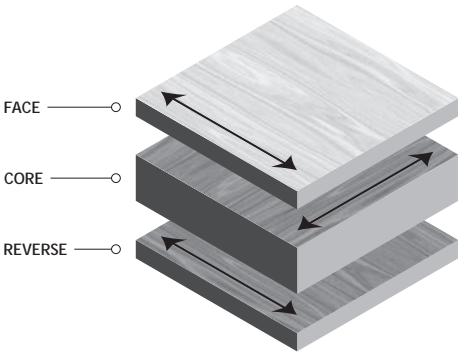
# PLYWOOD PANEL PRODUCTS

## WHAT IS PLYWOOD?

Plywood is a sheet material used widely in construction and flooring, consisting of only two materials: wood and glue.

At least three layers of wood (referred to as plies or veneers) are bonded together with adhesives. Each ply is positioned at right angles to the layers above and below, improving strength and reducing shrinkage.

The two outer veneers are referred to as the face and reverse and are graded based on the quality of those veneers. The layer sandwiched between the two outer veneers is referred to as the core. Plywood adhesive is graded for internal and external use.



## PLYWOOD FACE VENEER GRADES

Veneer grades refer to the finished look of the face which allows buyers to select a material suitable to their application.

B	Neatly cut one-piece being almost defect-free and sanded smooth
BB	Minor defects are permitted within strict limits provided they are filled and sanded smooth
C+/C-	Permits all defects, open or closed, although limited in number and size. However, open defects are sanded for the UK market.

Grading rules vary depending on country of manufacture. Below is a typical guide and may not be accurate for all plywood.



## PLYWOOD APPLICATIONS

Plywood's unique cross-grain construction results in a strong and stable panel so that even thin and lightweight varieties are suitable for challenging applications.

Structural and non-structural hardwood, softwood and mixed core varieties are produced for a wide range of applications including walls, roofs, flooring, furniture, vehicle manufacturing as well as marine plywood for boats or areas exposed to high humidity or wetting.

For structural use, it is essential that the plywood you choose complies with the required British Standard. Please contact our Sales Team for advice and information.

The list of applications opposite is a guide and is not intended as an exhaustive list. If you have a specific project, please contact our Sales Team for advice and information.

TYPE	APPLICATION AND USE
Hardwood	<ul style="list-style-type: none"><li>• Ceilings</li><li>• Walls (external)</li><li>• Heavy-duty floors</li><li>• Furniture / packing cases</li><li>• Van lining</li></ul>
Softwood	<ul style="list-style-type: none"><li>• Concrete shuttering</li><li>• Internal joinery</li><li>• Floors</li><li>• Furniture / packing cases</li></ul>
Marine	<ul style="list-style-type: none"><li>• Boat building (not waterproof)</li><li>• Outdoor furniture</li><li>• Areas of exposure to high humidity/wetting</li></ul>
FG1™	<ul style="list-style-type: none"><li>• Flooring Grade Plywood (certified BS 8203:2017)</li><li>• Suitable for all flooring applications</li></ul>
OG1	<ul style="list-style-type: none"><li>• Overlay Grade Plywood</li><li>• Roofing / garage doors</li><li>• Partitions / furniture</li></ul>

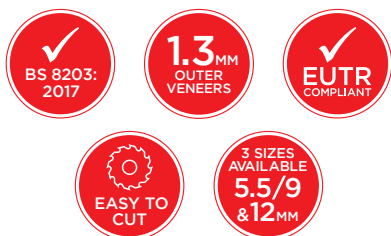
**PLEASE NOTE:** Plywood less than 9mm thickness is not classified for Structural Use due to the thickness of the panel and not possessing structural load-bearing strength.





# THE NO.1 PANEL FOR SUCCESSFUL FLOORLAYING & SUBFLOOR PREP

**FG1™**  
FLOORING GRADE PLYWOOD



## THE BRAND WITH THE THICKEST VENEERS

FG1 is the most stable panel in its class. Nothing else comes close. With 1.3mm outer veneers that far exceed the minimum requirement of BS 8203:2017 (Annex A) — the result is a Flooring Grade Plywood with unsurpassed stability and reliability.

Our superior veneers offer far greater bonding capability, preventing delamination and glue percolation. With impeccable Indonesian build quality, it's no wonder FG1 is the number one choice of architects, specifiers and house builders.



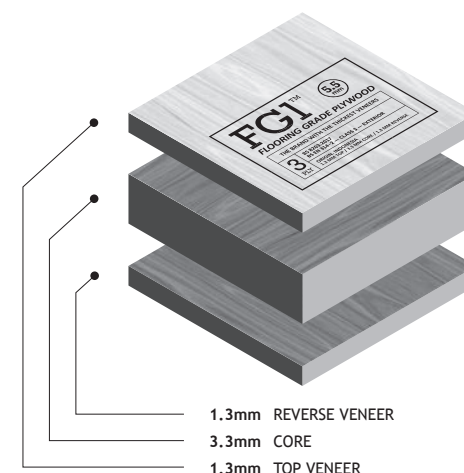
## FG1™ — FLOORING GRADE PLYWOOD

FG1 is a superior quality Flooring Grade Hardwood Plywood which far exceeds the new British Standard BS 8203:2017 *Installation of resilient floor coverings — code of practice*, introduced in response to the need for greater clarity of plywood standards due to the number of poor quality plywood products sold in recent years, causing problems for the industry.

The new Standard stipulates a minimum thickness of 0.75mm for top and reverse veneers. FG1 boasts huge 1.3mm top and reverse veneers (before sanding) which far outweighs this minimum requirement and offers the consumer several unique advantages:

- Far greater stability and structural properties making it ideal for gluing and bonding
- Avoids delamination and face veneers failing when bonding to or sawn
- Suitable for a wide range of applications where strength and durability are a priority

Astonishingly, many poor quality plywoods have only as little as 0.15-0.3mm thick top and reverse veneers which can cause serious issues with delamination and face veneers failing — which is why it's vital to have thicker face veneers when bonding to. This is also why FG1 is an essential step to ensuring successful floorlaying and subfloor preparation.



## Data Sheet (FG1 5.5mm thickness)

Manufactured to	BS EN 636-2
Appearance class	Based on Class 1 from BS EN 635-2
Glue bond	EN 314-2 Class 3 (Exterior) LFE E1 Emission
Wood species	Indonesian mixed hardwood Meranti/Mersawa
Moisture content	8-10%
Thickness tolerance	5.5mm: $\pm 0.2$ mm
Dimensional square tolerance	Tight to EN 315
Veneers	Overlay quality without core overlap and gaps
Thicker outer veneers	Minimum 1.3mm before sanding
European Timber Regulation (EUTR) status	Compliant
Length	-0.0/+2.0mm
Width	-0.0/+2.0mm
Diagonal difference	Maximum 2.0mm
Edge straightness	Maximum 1.0mm

lalegno



## FG1™ IS THE PERFECT PARTNER FOR LALEGNO RVP (RIGID VINYL PLANK)

When bonding to a plywood subfloor, it's vital to use a highly stable product which avoids the risk of delamination and face veneers failing. Only FG1 has 1.3mm thick top and bottom veneers that surpasses BS 8203:2017 and is perfect for RVP where a level and rigid subfloor is required.

FG1™ by **LIONVEST TRADING**  
(UK) LTD

FINISH / PROFILE	GRADE	THICKNESS	LENGTH	WIDTH
<b>Q-Mark – Q-Bond Plywood – Mixed Far Eastern Hardwoods – Class 3 EXT Glue (EN314-2)</b>				
Unfinished and lightly sanded	B/BB	4mm	1220mm	610mm (4×2ft)
Unfinished and lightly sanded	B/BB	6mm	1220mm	610mm (4×2ft)
Unfinished and lightly sanded	B/BB	4mm	2440mm	1220mm (8×4ft)
Unfinished and lightly sanded	B/BB	6mm	2440mm	1220mm (8×4ft)
Unfinished and lightly sanded	B/BB	9mm	2440mm	1220mm (8×4ft)
Unfinished and lightly sanded	B/BB	12mm	2440mm	1220mm (8×4ft)
Unfinished and lightly sanded	B/BB	18mm	2440mm	1220mm (8×4ft)
Unfinished and lightly sanded	B/BB	25mm	2440mm	1220mm (8×4ft)
Unfinished and lightly sanded (T&G)	B/BB	18mm	2440mm	610mm (8×4ft)
<b>Far Eastern MLH (Mixed Light Hardwood) Plywood – Hardwood Throughout Core Class 2 EXT Glue (EN314-2)</b>				
Unfinished and lightly sanded	B/BB	4mm	1220mm	610mm (4×2ft)
Unfinished and lightly sanded	B/BB	6mm	1220mm	610mm (4×2ft)
Unfinished and lightly sanded	B/BB	4mm	2440mm	1220mm (8×4ft)
Unfinished and lightly sanded	B/BB	6mm	2440mm	1220mm (8×4ft)
Unfinished and lightly sanded	B/BB	9mm	2440mm	1220mm (8×4ft)
Unfinished and lightly sanded	B/BB	12mm	2440mm	1220mm (8×4ft)
Unfinished and lightly sanded	B/BB	18mm	2440mm	1220mm (8×4ft)
Unfinished and lightly sanded	B/BB	25mm	2440mm	1220mm (8×4ft)
<b>Elliottis Pine Brazilian Softwood Plywood – Class 3 EXT Glue – CE2+ Certified (EN314-2)</b>				
Unfinished	C+/C	9mm	2440mm	1220mm (8×4ft)
Unfinished	C+/C	12mm	2440mm	1220mm (8×4ft)
Unfinished	C+/C	18mm	2440mm	1220mm (8×4ft)
<b>FG1™ – Flooring Grade Plywood (Meranti / Mersawa) – Class 3 EXT Glue (EN314-2)</b>				
Unfinished and lightly sanded	BB/CC	5.5mm	1220mm	610mm (4×2ft)
Unfinished and lightly sanded	BB/CC	5.5mm	2440mm	1220mm (8×4ft)
Unfinished and lightly sanded	BB/CC	9mm	2440mm	1220mm (8×4ft)
Unfinished and lightly sanded	BB/CC	18mm	2440mm	1220mm (8×4ft)
<b>OG1 – Overlay Grade Plywood (Meranti / Mersawa) – Class 3 EXT Glue (EN314-2)</b>				
Unfinished and lightly sanded	BB/CC	3.6mm	1220mm	610mm (4×2ft)
Unfinished and lightly sanded	BB/CC	3.6mm	2440mm	1220mm (8×4ft)

For prices – please contact our Sales Team on 01273 426570 or email: [info@lionvest.co.uk](mailto:info@lionvest.co.uk)



Worldwide Wood Flooring Importers, Distributors & Agents

**[www.lionvest.co.uk](http://www.lionvest.co.uk) | Tel: 01273 426570**  
**Email: [info@lionvest.co.uk](mailto:info@lionvest.co.uk)**

Unit A1, Portland Business Park, Portland Road,  
Hove, East Sussex, BN3 5RY

