

# PANEL PRODUCTS







# INTERNATIONAL TIMBER PANEL PRODUCTS GUIDE



Welcome to the first edition of International Timber’s Panel Products guide. This guide introduces you to our current extensive product portfolio and also acts as a quick reference manual to the most common issues you may come across on a daily basis within the panels industry.

## RANGE DEVELOPMENT

Our comprehensive range has been developed from customer requirement to be able to source all of their panel and timber requirements from one supplier. We now have the facility to deliver all of your hardwood, softwood and panel product needs on one vehicle.

Over the past 18 months we have focused our efforts on the panel product offer, our range of panel products has grown dramatically in line with our customers’ requirements. It now includes a range of lightweight door blanks and Egger chipboard door cores. We have an extensive stock of veneered boards in both 2440/3050x1220. Our MDF offering now includes Tricoya and Ultralite along with ‘MatchTek’ wall cladding and ‘FlexiTek’ bendy MDF.

In the plywood range we have introduced the Uruguayan Lumin brand along with Paraply FSC® from Paraguay. Birch plywood from Finland, Latvia and Russia in raw and overlaid forms is also now available. Both Finnish Spruce and Brazilian Pine plywood continue to play a major part in our offer.

We keep both structural and non-structural panel products in stock at all times all of which conform to E1 formaldehyde emissions.

## LOCAL SERVICE / NATIONAL COVERAGE

Our distribution centres, based throughout the UK, offer a nationwide delivery service within 48-72 hours. Whether your requirement is for full loads ex quay/ factory or single sheets ex yard our service levels remain dedicated to meeting your expectations. International Timber is working with its suppliers to offer a ‘mini pack’ specification on both its softwood and hardwood plywood portfolio and should be available from Q3 2013.

## SUSTAINABLE PANEL

International Timber takes its responsibilities as a sustainable business very seriously, we are members of the Timber Trade Federation and also the World Wildlife Fund Global Forest and Trade Network. As a company we have a Timber Sourcing policy which is available to view. To download a copy, visit our website at [www.internationaltimber.com](http://www.internationaltimber.com). As a company we ensure that all timber products we source are from a minimum legal source and preferably a fully certified Chain of Custody supply.

Timber is one of the most sustainable and versatile construction products available due to its ability to absorb carbon during its life time and also the wide range of species that are available. It is also readily recyclable. We are however very aware as a company of the issues that can surround timber - specifically that of illegal logging and the damage that this impacts on the biodiversity and the indigenous people in the areas in which it takes place. For this reason we work closely with World Wildlife Fund Global and Trade Network and Timber Trade Federation to ensure that we implement a robust due diligence system in order to remove the risk of International Timber or its supply chain contributing to the world’s deforestation. International Timber has chosen not to buy timber or wood products from certain countries and undertakes not to market certain species, specifically by following the recommendations of CITES or the IUCN’s Red list.

## EUROPEAN TIMBER REGULATIONS

The European Timber Regulation (EUTR) came into force in March 2013. This is designed to prohibit the trade of illegally logged timber within the EU. Importers who bring timber products into the EU are required to collect relevant information on products and carry out a due diligence process to reduce the risk of placing illegal timber on the EU market. All panel products sold and distributed by International Timber comply with the EUTR.

## SUSTAINABLE BUSINESS

We have also set ourselves a series of in house targets to save water, reduce our waste to landfill and our carbon foot print and we strive to promote diversity within our employees and ensure we provide a safe working environment.

We are constantly reviewing our policy to ensure that International Timber remain a supplier that can be trusted to provide good quality product from a sustainable source.





# SUSTAINABLE TIMBER & PANEL SOLUTIONS

## International Timber Regional Sales Centres

### Grangemouth (Scotland) Sales Centre

Main Contact Number - 0844 728 0320  
Main Fax Number - 01324 665464

Earls Rd,  
Grangemouth,  
Stirlingshire  
FK3 8UU

### Trafford Park (Northern) Sales Centre

Main Contact Number - 0844 728 0340  
Main Fax Number - 0161 848 2901

Trafford Wharf Road,  
Manchester  
M17 1DJ

### Parkend (South West & Wales) Sales Centre

Main Contact Number - 0844 728 0360  
Main Fax Number - 01594 566001

Parkend Saw Mills/Folly Rd,  
Lydney  
GL15 4JF

### Purfleet (London & South East) Sales Centre

Main Contact Number - 0844 728 0390  
Main Fax Number - 01708 683334

London Rd,  
Purfleet  
RM19 1RE



# HARDWOOD PLYWOOD INTRODUCTION

International Timber keeps a wide variety of both tropical and temperate hardwood plywood from all over the world. They all meet the extremely high requirement standards we set ourselves of legality and sustainability as well being products that have the integrity of being fit for purpose.

From Malaysia our hardwood plywood meets the standard BSEN 636-2S and has PEFC™ certification. We also have a marine grade plywood from the same certified mill. Our Chinese offering is FSC® certified and both a BM Trada Q Marked panel as well as a non structural offering is available from stock.

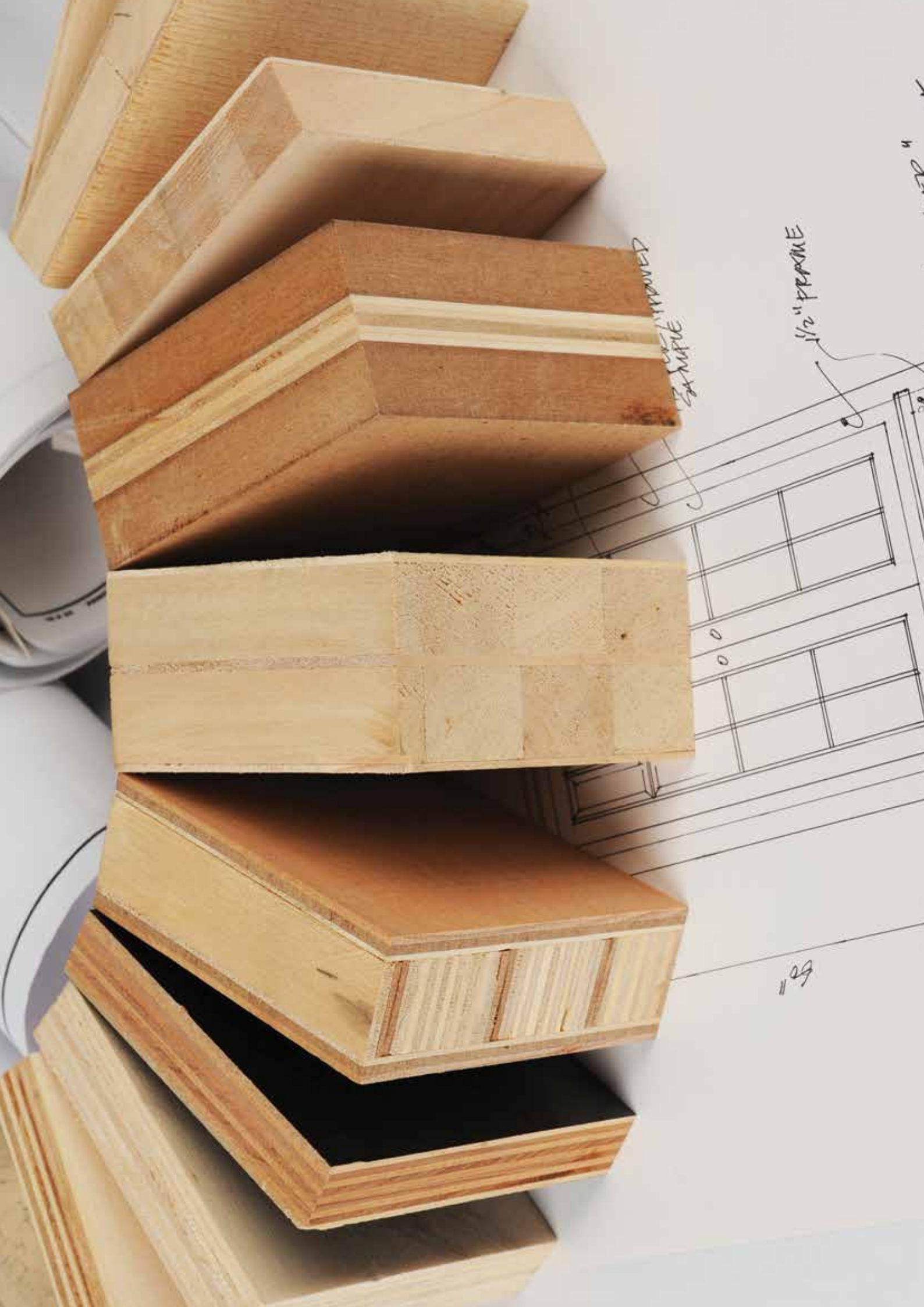
From South America we have a wide range of sizes including 10x4 and 10x5. A Eucalyptus throughout panel from Paraguay is now available for delivery ex stock and is FSC certified.

We have a range of Birch throughout and Birch faced plywoods from Northern Europe and Scandinavia. Our offer includes both raw Birch, for high class and commercial finishes, and specialist overlay Birch typically used in the transport industry.

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# HARDWOOD PLYWOOD

## MALAYSIAN HARDWOOD PLYWOOD



### INTRODUCTION:-

Tropical hardwood throughout plywood from one of the largest producers in Malaysia. Besgrade takes a leading role in producing plywood from legitimate well managed forests.

### PROPERTIES

BOTANICAL NAME	
PHYSICAL/STRUCTURAL PROPERTIES	CE2+ 9mm and above
GLUE LINE	Exterior E1
TYPICAL APPLICATIONS	Floors, Walls, Ceilings, Furniture
ORIGIN	Malaysia (Kedah - Peninsular)
DURABILITY	EN 636-2
PURCHASING CYCLE	Three monthly
ENVIRONMENTAL CREDENTIALS	PEFC
STORAGE ADVICE	Store horizontally on a firm base with enough bearers to prevent sagging. Cover stack to protect top and edges from moisture penetration

Further technical information see pages 51 - 54

BESGRADE HARDWOOD PLYWOOD			
Product	Code	Stocked	Environmental Credentials
2440 x 1220 BB/CC			
3.6mm PHENOL	PLY04PE1	Y	PEFC
5.5mm PHENOL	PLY06PE1	Y	PEFC
9mm PHENOL	PLY09PE1	Y	PEFC
12mm PHENOL	PLY12PE1	Y	PEFC
15mm PHENOL	PLY15PE1	Y	PEFC
18mm PHENOL	PLY18PE1	Y	PEFC
25mm PHENOL	PLY25PE1	Y	PEFC

Additional specifications, sizes, chain of custody and specials are available to order



SCOTLAND PANEL SALES 0844 728 0323 E: panel1@internationaltimber.com	NORTHERN PANEL SALES 0844 728 0343 E: panel2@internationaltimber.com	SOUTH WEST & WALES PANEL SALES 0844 728 0363 E: panel3@internationaltimber.com	SOUTH EAST PANEL SALES 0844 728 0393 E: panel4@internationaltimber.com
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Precise colour and texture should be judged from the actual material

# HARDWOOD PLYWOOD

## BRAZILIAN HARDWOOD PLYWOOD



### INTRODUCTION:-

The benefit of our Brazilian plywood offer is in its range of panel sizes. Both 10 x 4 and 10 x 5 are held at all sites.

#### PROPERTIES

BOTANICAL NAME	Amescla
PHYSICAL/STRUCTURAL PROPERTIES	CE4
GLUE LINE	Exterior E1
TYPICAL APPLICATIONS	Van Lining, Furniture, Packaging
ORIGIN	Brazil
DURABILITY	EN 636-2
PURCHASING CYCLE	Two Monthly
ENVIRONMENTAL CREDENTIALS	FSC
STORAGE ADVICE	Store horizontally on a firm base with enough bearers to prevent sagging. Cover stack to protect top and edges from moisture penetration

BRAZILIAN HARDWOOD PLYWOOD			
Product	Code	Stocked	Environmental Credentials
3050 x 1220 BB/CC			
5.5mm	PLY06FS2	Y	FSC
9mm	PLY09FS2	Y	FSC
12mm	PLY12FS2	Y	FSC
18mm	PLY18FS2	Y	FSC
3050 x 1525 BB/CC			
5.5mm	PLY06FS3	Y	FSC
9mm	PLY09FS3	Y	FSC
12mm	PLY12FS3	Y	FSC
18mm	PLY18FS3	Y	FSC
25mm	PLY25FS3	Y	FSC

Additional specifications, sizes, chain of custody and specials are available to order

Further technical information see pages 51 - 54



# HARDWOOD PLYWOOD

## CHINESE PLYWOOD



### INTRODUCTION:-

A plantation grown Eucalyptus or Poplar core species with European Beech or Eucalyptus faces suitable for numerous end uses.

#### PROPERTIES

BOTANICAL NAME	Fagus sylvatica (beech), Deglupta blume Eucalyptus grandis, Populus yunnanensis
PHYSICAL/STRUCTURAL PROPERTIES	TRADA Q Mark and CE Marked CE2+ 9mm and above
GLUE LINE	Exterior E1
TYPICAL APPLICATIONS	Structural and general applications
ORIGIN	China
DURABILITY	EN636-2
PURCHASING CYCLE	Three monthly
ENVIRONMENTAL CREDENTIALS	FSC
STORAGE ADVICE	Store horizontally on a firm base with enough bearers to prevent sagging. Cover stack to protect top and edges from moisture penetration

Further technical information see pages 51 - 54



CHINESE PLYWOOD			
Product	Code	Stocked	Environmental Credentials
2440 x 1220 BB/CC Q Mark Beech Faced / Eucalyptus Core			
3.6mm	PQCF8404	Y	FSC
5.5mm	PQCF8505	Y	FSC
9mm	PQCF8409	Y	FSC
12mm	PQCF8412	Y	FSC
15mm	PQCF8415	Y	FSC
18mm	PQCF8418	Y	FSC
25mm	PQCF8425	Y	FSC
2440 x 1220 BB/CC 2 Beech Faced / Eucalyptus Core			
3.6mm	PQ2F8404	Y	FSC
5.5mm	PQ2F8405	Y	FSC
9mm	PQ2F8409	Y	FSC
12mm	PQ2F8412	Y	FSC
15mm	PQ2F8415	Y	FSC
18mm	PQ2F8418	Y	FSC
25mm	PQ2F8425	Y	FSC
2440 x 1220 BB/CC CE2 Eucalyptus Faced / Poplar Core			
3.6mm	PPEBFC03	Y	FSC
5.5mm	PPEBFC05	Y	FSC
9mm	PPEBFC09	Y	FSC
12mm	PPEBFC12	Y	FSC
15mm	PPEBFC15	Y	FSC
18mm	PPEBFC18	Y	FSC
25mm	PPEBFC25	Y	FSC
2440 x 1220 BB/CC CE4 Eucalyptus T/O			
3.6mm	☞	Y	FSC
5.5mm	☞	Y	FSC
9mm	☞	Y	FSC
12mm	☞	Y	FSC
15mm	☞	Y	FSC
18mm	☞	Y	FSC
25mm	☞	Y	FSC
2440 x 1220 BB/CC Q Mark Eucalyptus T/O			
3.6mm	☞	Y	FSC
5.5mm	☞	Y	FSC
9mm	☞	Y	FSC
12mm	☞	Y	FSC
15mm	☞	Y	FSC
18mm	☞	Y	FSC
25mm	☞	Y	FSC

Additional specifications, sizes, chain of custody and specials are available to order



# HARDWOOD PLYWOOD

## PARAGUAYAN EUCALYPTUS PLYWOOD



### INTRODUCTION:-

100% rotary cut Eucalyptus panel with phenolic glue throughout.

### PROPERTIES

BOTANICAL NAME	Eucalyptus grandis
PHYSICAL/STRUCTURAL PROPERTIES	CE2+ 9mm and above
GLUE LINE	Exterior E1
TYPICAL APPLICATIONS	Furniture, Linings, Soffits, Cladding
ORIGIN	Paraguay
DURABILITY	EN636-2
PURCHASING CYCLE	Three monthly
ENVIRONMENTAL CREDENTIALS	FSC
STORAGE ADVICE	Store horizontally on a firm base with enough bearers to prevent sagging. Cover stack to protect top and edges from moisture penetration

Further technical information see pages 51 -54

PARAGUAYAN 'PARAPLY' EUCALYPTUS PLYWOOD			
Product	Code	Stocked	Environmental Credentials
2440 x 1220 BB/CC			
4mm	☞	Y	FSC
5.5mm	PHBF8405	Y	FSC
9mm	PHBF8409	Y	FSC
12mm	PHBF8412	Y	FSC
15mm	☞	Y	FSC
18mm	PHBF8418	Y	FSC
25mm	☞	Y	FSC
3050 x 1220 BB/CC			
5.5mm	☞	Y	FSC
9mm	☞	Y	FSC
12mm	☞	Y	FSC
18mm	☞	Y	FSC
25mm	☞	Y	FSC
3050 x 1525 BB/CC			
5.5mm	☞	Y	FSC
9mm	☞	Y	FSC
12mm	☞	Y	FSC
18mm	☞	Y	FSC
25mm	☞	Y	FSC

Additional specifications, sizes, chain of custody and specials are available to order

PARAPLY



# HARDWOOD PLYWOOD

## MARINE GRADE HARDWOOD PLYWOOD



### INTRODUCTION:-

At International Timber we offer both FSC and PEFC marine grade plywood from Malaysia and Paraguay.

### PROPERTIES

BOTANICAL NAME	Eucalyptus grandis / TBA
PHYSICAL/STRUCTURAL PROPERTIES	BS1088-1:2003
GLUE LINE	Exterior E1
TYPICAL APPLICATIONS	General moisture resistant applications: Bathrooms, kitchens and external applications but not intended for boat-building
ORIGIN	Malaysia/Paraguay
DURABILITY	EN636-3
PURCHASING CYCLE	Three monthly
ENVIRONMENTAL CREDENTIALS	PEFC / FSC
STORAGE ADVICE	Store horizontally on a firm base with enough bearers to prevent sagging. Cover stack to protect top and edges from moisture penetration

Further technical information see pages 51 -54

MARINE GRADE PLYWOOD TO BS1088			
Product	Code	Stocked	Environmental Credentials
2440 x 1220 Malayan			
6 mm	PLYMBP06	Y	PEFC
9 mm	PLYMBP09	Y	PEFC
12 mm	PLYMBP12	Y	PEFC / FSC
18 mm	PLYMBP18	Y	PEFC / FSC
25mm	PLYMBP25	Y	PEFC
2440 x 1220 Paraply Marine			
6mm	☞	Y	FSC
9mm	☞	Y	FSC
12mm	☞	Y	FSC
18mm	☞	Y	FSC
25mm	☞	Y	FSC

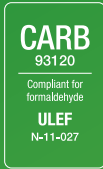
Additional specifications, sizes, chain of custody and specials are available to order





# Marine ply

now available at International Timber



Okoumé throughout panel with selected cores design for nautical applications



## HARDWOOD PLYWOOD JOUBERT OKOUME PLYWOOD



### INTRODUCTION:-

The panels in the Joubert Marine range are of high quality and are recommended for the construction and interior fittings in the boat building industry, thanks to their lightweight and excellent resistance to damp conditions. Product is available in Marine Ply and Super Marine Ply in Okoume veneer. Further to this the product can be ordered with Sapele face/core veneers for greater durability.

### PROPERTIES

BOTANICAL NAME	Aucoumea Klaineana / Entandraophragma Cylindrium
PHYSICAL/STRUCTURAL PROPERTIES	BSEN 1088 - 1:2003 CE2+
GLUE LINE	Exterior E1. CARB compliant.
TYPICAL APPLICATIONS	Manufacturing of hulls with fibreglass and epoxy resin. Construction of kayaks and small yachts
ORIGIN	France
DURABILITY	EN 636-3
PURCHASING CYCLE	Monthly
ENVIRONMENTAL CREDENTIALS	FSC
STORAGE ADVICE	Store horizontally on a firm base with enough bearers to prevent sagging. Cover stack to protect top and edges from moisture penetration.

Further technical information see pages 51-54



OKOUPLEX - OKOUME THROUGHOUT PLYWOOD - FACE VENEER 11/111			
Product	Code	Stocked	Environmental Credentials
Size 2500 x 1220			
4mm	☐	N	FSC
6mm	☐	N	FSC
9mm	☐	N	FSC
12mm	☐	N	FSC
15mm	☐	N	FSC
18mm	☐	N	FSC

MARINE PLY - OKOUME THROUGHOUT PLYWOOD - FACE VENEER 11/11			
Product	Code	Stocked	Environmental Credentials
Size 2500 x 1220			
4mm	☐	N	FSC
6mm	☐	N	FSC
9mm	☐	N	FSC
12mm	☐	N	FSC
15mm	☐	N	FSC
18mm	☐	N	FSC

Additional specifications, sizes, chain of custody and specials are available to order

Catamaran Etoile Marine M. Bob Escoffier, Navigator – Etoile Marine Cruises





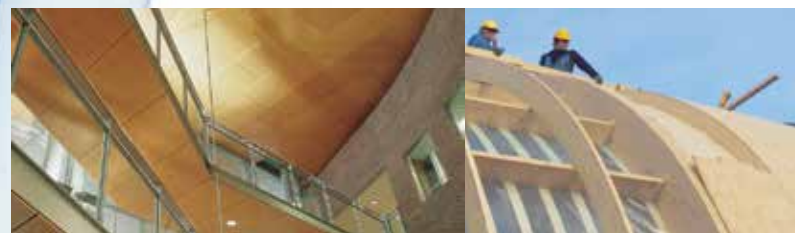
# WISA® PLYWOODS

Sustainable solutions for today's demanding needs

We design WISA plywoods to help you achieve your goals. Whether it is building and construction, concrete casting, transportation or numerous other applications, we provide you with solutions you need today and tomorrow.

Sustainable development is at the heart of UPM operations throughout the whole supply chain. From the high quality PEFC certified and FSC certified raw material to the efficient modern production lines; energy efficiency and environmental management are key to our processes. It is our guarantee, to our customers, of consistent high quality environmentally sustainable plywood.

[www.wisaplywood.com](http://www.wisaplywood.com)  
[www.upm.com](http://www.upm.com)



## HARDWOOD PLYWOOD BIRCH FACED WISA TWIN PLYWOOD



### INTRODUCTION:-

A light weight sustainable multi purpose panel consisting of a spruce core and birch faces.

### PROPERTIES

BOTANICAL NAME	Betula pendula / Picea abies
PHYSICAL/STRUCTURAL PROPERTIES	CE2+ 9mm and above
GLUE LINE	Exterior E1
TYPICAL APPLICATIONS	Construction, Furniture and Joinery
ORIGIN	Finland
DURABILITY	EN636-2
PURCHASING CYCLE	Monthly
ENVIRONMENTAL CREDENTIALS	PEFC
STORAGE ADVICE	Store horizontally on a firm base with enough bearers to prevent sagging. Cover stack to protect top and edges from moisture penetration

Further technical information see pages 51 -54



**WISA® - Twin**

BIRCH FACED WISA TWIN PLYWOOD			
Product	Code	Stocked	Environmental Credentials
<b>2440 x 1220 BB/WG</b>			
5mm	WTBP8405	Y	PEFC
9mm	WTBP8409	Y	PEFC
12mm	WTBP8412	Y	PEFC
18mm	WTBP8418	Y	PEFC
15mm	WTBP8415	Y	PEFC
21mm	WTBP8421	Y	PEFC
24mm	WTBP8424	Y	PEFC

Additional specifications, sizes, chain of custody and specials are available to order



SCOTLAND PANEL SALES  
0844 728 0323  
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NORTHERN PANEL SALES  
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E: [panel2@internationaltimber.com](mailto:panel2@internationaltimber.com)

SOUTH WEST & WALES PANEL SALES  
0844 728 0363  
E: [panel3@internationaltimber.com](mailto:panel3@internationaltimber.com)

SOUTH EAST PANEL SALES  
0844 728 0393  
E: [panel4@internationaltimber.com](mailto:panel4@internationaltimber.com)



# HARDWOOD PLYWOOD

## BIRCH THROUGHOUT PLYWOOD



### INTRODUCTION:-

We stock a range of both high grade and commercial grade birch plywood.

#### PROPERTIES

BOTANICAL NAME	Betula pendula
PHYSICAL/STRUCTURAL PROPERTIES	CE marked
GLUE LINE	Exterior E1
TYPICAL APPLICATIONS	Construction, Joinery, Transport and Furniture
ORIGIN	Latvia, Finland, Russia
DURABILITY	BSEN 636-2
PURCHASING CYCLE	Monthly
ENVIRONMENTAL CREDENTIALS	PEFC / FSC
STORAGE ADVICE	Store horizontally on a firm base with enough bearers to prevent sagging. Cover stack to protect top and edges from moisture penetration

Further technical information see pages 51 - 54

**LATVIJAS FINIERIS**  
**AKCIJU SABIEDRĪBA**



BIRCH THROUGHOUT PLYWOOD			
Product	Code	Stocked	Environmental Credentials
<b>1220 x 2440 S/BB</b>			
6.5mm	PBLSBP06	Y	PEFC
9mm	PBLSBP09	Y	PEFC
12mm	PBLSBP12	Y	PEFC
18mm	PBLSBP18	Y	PEFC
24mm	☎	Y	PEFC
<b>1220 x 2440 BB/BB</b>			
4mm	PBLP8404	Y	PEFC
6.5mm	PBLP8406	Y	PEFC
9mm	PBLP8409	Y	PEFC
12mm	PBLP8412	Y	PEFC
15mm	☎	Y	PEFC
18mm	PBLP8418	Y	PEFC
18mm Long Grain	PBLF8418	Y	PEFC
24mm	PBLP8424	Y	PEFC
<b>1525 x 3050 BB/BB</b>			
4mm	☎	Y	PEFC
6.5mm	PBLPA506	Y	PEFC
9mm	PBLPA509	Y	PEFC
12mm	PBLPA512	Y	PEFC
15mm	☎	Y	PEFC
18mm	PBLPA518	Y	PEFC
24mm	☎	Y	PEFC
<b>1220 x 2440 LBB/LBB Lacquered Birch</b>			
6.5mm	P0001185	Y	PEFC
18mm	P0001184	Y	PEFC

Additional specifications, sizes, chain of custody and specials are available to order



# HARDWOOD PLYWOOD

## SPECIALIST TECHNICAL PLYWOOD



### INTRODUCTION:-

A range of technical plywoods for the transport industry, playgrounds, stage and sports arena applications

#### PROPERTIES

PHYSICAL/STRUCTURAL PROPERTIES	CE marked
GLUE LINE	Exterior E1
TYPICAL APPLICATIONS	Trailer Floors, Walkways, Playground Equipment, Stages, Van Floors and Spectator Grandstands
ORIGIN	Finland, Latvia, Malaysia
DURABILITY	BSEN 636 - 2
PURCHASING CYCLE	Monthly/Three monthly
ENVIRONMENTAL CREDENTIALS	PEFC
STORAGE ADVICE	Store horizontally on a firm base with enough bearers to prevent sagging. Cover stack to protect top and edges from moisture penetration

Further technical information see pages 51 - 54

Riga Tex

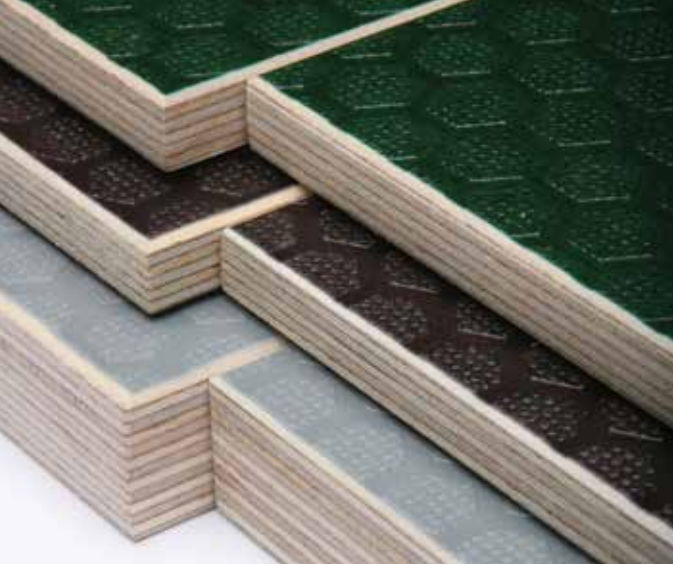


SPECIALIST TECHNICAL PLYWOOD			
Product	Code	Stocked	Environmental Credentials
<b>1220 x 2440 Birch Riga Form Dark Brown 120gsm</b>			
12mm	PRFP8412	Y	PEFC
18mm	PRFP8418	Y	PEFC
<b>1220 x 2440 Birch Riga Tex Dark Brown 220gsm</b>			
12mm	PRXP8412	Y	PEFC
18mm	PRXP8418	Y	PEFC
<b>1220 x 2500 Birch Riga Tex Dark Brown 220gsm</b>			
21mm	PRXP8421	Y	PEFC
24mm	PRXP8424	Y	PEFC
<b>1220 x 2440 Birch Heksa Plus 220gsm</b>			
9mm Grey	PHPG8409	Y	PEFC
18mm Dark Brown	PHPB8418	Y	PEFC
18mm Black	PHDB8418	Y	PEFC
<b>1525 x 3050 Birch Heksa Plus</b>			
18mm Dark Brown	PHDBA518	Y	PEFC
<b>2440 x 1220 Tropical Hardwood BesDek 120gsm</b>			
18mm Dark Brown	PABP8418	Y	PEFC

Additional specifications, sizes, chain of custody and specials are available to order

From quarter 3 2013 all FR Plywood delivered from stock will comply with the CE marking requirement of the Construction Products Regulation.

Heksa Plus





# HARDWOOD PLYWOOD SPECIALIST TECHNICAL PLYWOOD



A broader more comprehensive range of phenolic overlaid plywood is available from stock targeting commercial vehicle body building, sports grounds and arenas, flight cases, children's play areas and horse trailers.



## RIGA RHOMB

A surface with high wear resistance, good anti-slip properties, good visual appearance (decorative surface), weather- and water-proof, resists commonly used chemicals and easy-to-clean. In addition, the product is environmentally friendly and hygienic. In transport industry for floors and walls, storage and factory floors, storage shelves, loading platforms, pier surfaces, and scaffoldings.



## RIGA TRANS

A surface with a high wear resistance and good anti-slip properties, Riga Trans is waterproof and resistant to commonly used chemicals. In addition, the product is environmentally friendly and hygienic. The specific end-use of Riga Trans is truck and trailer flooring. Other possible applications include: storage and factory floors, storage shelves, loading platforms, pier surfaces, scaffoldings and playgrounds.



## DIAMOND

'Diamond' is a phenolic film overlaid birch plywood with a raised surface pattern.

High visual quality and wear resistance makes Diamond an extremely durable multi-purpose panel ideal for flight cases, packaging and transport platforms

## RIGA FORM

Riga Form is environmentally friendly, durable, easily workable, hygienic, odour free, easy-to-clean, wear-resistant, weather- and water-proof and resists commonly used chemicals.

Riga Form for shuttering can be re-used many times. Shuttering (dark brown, red films), transport industry, building and construction, flooring, inter-wall structures in farms, advertisement and information panels.

- Dark brown (120, 130, 167 and 220g/m<sup>2</sup>)
- Light brown (120g/m<sup>2</sup>)
- Yellow non-transparent (167 g/m<sup>2</sup>)
- Green (120g/m<sup>2</sup>)
- Black (120g/m<sup>2</sup>)
- Red (220g/m<sup>2</sup>)
- Honey (120g/m<sup>2</sup>)
- Opal white (UV resistant, 174g/m<sup>2</sup>)
- Grey (UV resistant, 174g/m<sup>2</sup>)
- Blue (UV resistant, 200g/m<sup>2</sup>)





# HARDWOOD PLYWOOD DOOR BLANKS












## INTRODUCTION:-

Manufactured from both light weight low density plantation hardwoods and a selected wood chip mix.

### PROPERTIES

PHYSICAL/STRUCTURAL PROPERTIES	All blanks conform to BS 476:Part 22 1987. Flamebreak approximate weight of 31 kg per 2135 x 915 blank - Pacifire Litewood less than 28kg per 2135 x 915 blank. Egger Eurospan have the BM Trada certification for Q-Mark Fire Doors
TYPICAL APPLICATIONS	Lightweight firecheck door blanks for conversion into doorsets. Eurospan door cores form an integral component in a door's front line fire protection
ORIGIN	Indonesia/Austria
DURABILITY	EN 636-2 (Flamebreak)
PURCHASING CYCLE	Three monthly
ENVIRONMENTAL CREDENTIALS	FSC available and SVLK (Timber Legality Verification System)
STORAGE ADVICE	Store in clean, dry conditions where the ambient conditions are similar to that intended for further production and free from excess moisture and changes in humidity and temperature. Store doors perfectly flat on level supports the full width of the door. One support across the centre and one 300mm from each end. Bottom support to be covered with cardboard to prevent marking the doors

FLAMEBREAK DOOR BLANKS			
Product	Code	Stocked	Environmental Credentials
FD30 2135 x 915 x 44mm	DBLK4573	Y	SVLK
FD30 2440 x 1220 x 44mm	DBLK4584	Y	SVLK
FD60 2135 x 915 x 54mm	DBLK5473	Y	SVLK
FSC FD30 2135 x 915 x 44mm	DBLK6073	Y	FSC
Pacifire Litewood FD30			
2135 x 915 x 44mm Falcata Faces		Y	SVLK / FSC
2135 x 915 x 44mm MDF Faces		Y	SVLK / FSC
2440 x 1220 x 44mm Falcata Faces		Y	SVLK / FSC
2135 x 915 x 54mm Falcata Faces		Y	SVLK / FSC
Egger Eurospan FD30			
2060 x 840 x 44mm		Y	FSC
2135 x 915 x 44mm		Y	FSC
2440 x 915 x 44mm		Y	FSC
2440 x 1220 x 44mm		Y	FSC
2800 x 915 x 44mm		Y	FSC

Additional specifications, sizes, chain of custody and specials are available to order  
All of our stock has been tested by Chiltern International Fire Ltd to BS 476 Part 22.

Further technical information see pages 51 - 54



## JOUBERT ALUDOOR



100% Okoume throughout panel with selected plies of Joubert quality mark with two 0.3 mm aluminium cores. The Joubert aludoor panel, available in 40mm and 54mm, is designed for door manufacturing. The aluminium sheet acts as a barrier to humidity, gives better stability and avoids excessive distortion of the panel.

# HARDWOOD PLYWOOD DOOR BLANKS



Egger fire door cores are suitable for a wide range of domestic and commercial applications including housing, education and healthcare, hotel and leisure, commercial offices and retail environments.



Pacifire™ doorblanks are available with a variety of surface finishes. Long grain veneers for painting or veneering, MDF/HDF and RedayPaint MDO. Also they can be overlaid with a selection of surfaces using the bespoke CPL service.





# STRUCTURAL SOFTWOOD PLYWOOD INTRODUCTION

Our comprehensive range of softwood plywood will meet all of your structural and general construction requirements.

From Scandinavia we keep a broad stockholding of both Wisa Spruce and Vaner Ply in 8x4 and 8x2 in square edged and tongue and grooved profiles. 10x4 square edged panel is also available on request.

From South America we import a BBA certified Radiata Pine from Chile, Lumin BSEN 636-2S Eucalyptus Plywood from Uruguay as well as a full range of CE2+ and CE4 Elliotts Pine Plywood from Brazil.

Our range of coniferous plywood offers both FSC and PEFC certifications. Technical data for any of the products we keep is available on request from our sales team.

# SOFTWOOD PLYWOOD WISA SPRUCE PLYWOOD



## INTRODUCTION:-

Wisa-Spruce is intended for use as a structural panel within the context of the UK Building Regulations.

### PROPERTIES

BOTANICAL NAME	Picea abies
PHYSICAL/STRUCTURAL PROPERTIES	BS 5268 pt2 - CE2+ Structural
GLUE LINE	Exterior E1
TYPICAL APPLICATIONS	Walls, Floors, Roofs, Packing and Furniture
ORIGIN	Finland
DURABILITY	BSEN 636 - 2
PURCHASING CYCLE	Monthly
ENVIRONMENTAL CREDENTIALS	PEFC
STORAGE ADVICE	Store horizontally on a firm base with enough bearers to prevent sagging. Cover stack to protect top and edges from moisture penetration

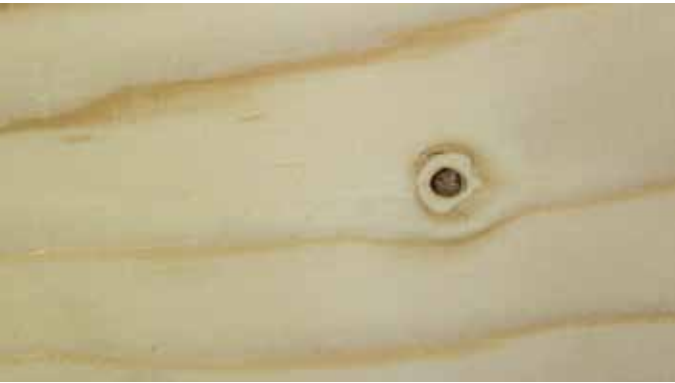
Further technical information see pages 51 -54

WISA SPRUCE PLYWOOD			
Product	Code	Stocked	Environmental Credentials
2440x1220 Sq. Edged			
9mm III/III	PWSP8409	Y	PEFC
12mm III/III	PWSP8412	Y	PEFC
15mm II/III	PWSP8415	Y	PEFC
18mm II/III	PWSP8418	Y	PEFC
21mm II/III	PWSP8421	Y	PEFC
24mm II/III	PWSP8424	Y	PEFC
3050x1220 Sq. Edged			
18mm II/III	☎	Y	PEFC
2400 x 1220 TG 2LE			
18mm II/III	PWSPT218	Y	PEFC
21mm II/III	PWSPT221	Y	PEFC
2400 x 600 TG4			
18mm II/III	PWSPTG18	Y	PEFC
22mm II/III	PWSPTG22	Y	PEFC

Additional specifications, sizes, chain of custody and specials are available to order



WISA® - Spruce



SCOTLAND PANEL SALES 0844 728 0323 E: panel1@internationaltimber.com	NORTHERN PANEL SALES 0844 728 0343 E: panel2@internationaltimber.com	SOUTH WEST & WALES PANEL SALES 0844 728 0363 E: panel3@internationaltimber.com	SOUTH EAST PANEL SALES 0844 728 0393 E: panel4@internationaltimber.com
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Precise colour and texture should be judged from the actual material



*Always reliable*

- Clear face veneer
- Superb and smooth finish
- Outstanding performance
- From sustainable forest plantations



## SOFTWOOD PLYWOOD CHILEAN RADIATA PINE PLYWOOD



### INTRODUCTION:-

A plantation grown species suitable for numerous structural end uses and packaging.

### PROPERTIES

BOTANICAL NAME	Pinus radiata
PHYSICAL/STRUCTURAL PROPERTIES	CE2+ / BBA / TECO
GLUE LINE	Exterior E1
TYPICAL APPLICATIONS	Walls, Floors, Roofs, Packing and Furniture
ORIGIN	Chile
DURABILITY	BSEN 636-2
PURCHASING CYCLE	Three Monthly
ENVIRONMENTAL CREDENTIALS	FSC / PEFC
STORAGE ADVICE	Store horizontally on a firm base with enough bearers to prevent sagging. Cover stack to protect top and edges from moisture penetration

Further technical information see pages 51 - 54

CHILEAN RADIATA PINE PLYWOOD			
Product	Code	Stocked	Environmental Credentials
<b>2440 x 1220 (9mm - 21mm available in TG4 and TG2)</b>			
6.5mm II/III	☞	Y	PEFC
9mm II/III	☞	Y	PEFC
12mm II/III	☞	Y	PEFC
15mm II/III	☞	Y	PEFC
18mm II/III	☞	Y	PEFC
21mm II/III	☞	Y	PEFC
25mm II/III	☞	Y	PEFC
30mm II/III	☞	Y	PEFC
12mm B/C	☞	Y	PEFC / FSC
18mm B/C	PTBF8418	Y	PEFC / FSC
<b>2440 x 610 TG4</b>			
9mm II/III	☞	Y	PEFC
12mm II/III	☞	Y	PEFC
15mm II/III	☞	Y	PEFC
18mm II/III	☞	Y	PEFC
21mm II/III	☞	Y	PEFC

Additional specifications, sizes, chain of custody and specials are available to order



Available in TG2 & TG4







# FSC PLYWOOD

E1 low formaldehyde  
WBP phenolic bonding  
CE 2+ structural approval  
BBA application guide  
FSC legally sourced wood

**Sudati** **sudply**

www.sudati.com.br  
fabiano@sudati.com.br  
Phone +55 46 3263 8400  
Palmas, PR, Brazil

Mill 256 - Palmas  
Mill 279 - Ibaity  
Mill 297 - Ventania

## SOFTWOOD PLYWOOD BRAZILIAN PINE PLYWOOD



### INTRODUCTION:-

A plantation grown species suitable for numerous end uses including structural, hoarding, packaging and furniture.

### PROPERTIES

BOTANICAL NAME	Pinus elliotti, Pinus taeda
PHYSICAL/STRUCTURAL PROPERTIES	CE2+ Structural / BBA CE4 Non Structural
GLUE LINE	Exterior E1
TYPICAL APPLICATIONS	Walls, Floors, Roofs, Packing, Furniture plus general applications
ORIGIN	Brazil
DURABILITY	BSEN 636-2
PURCHASING CYCLE	Two Monthly
ENVIRONMENTAL CREDENTIALS	FSC
STORAGE ADVICE	Store horizontally on a firm base with enough bearers to prevent sagging. Cover stack to protect top and edges from moisture penetration

Further technical information see pages 51 -54

BRAZILIAN PINE PLYWOOD			
Product	Code	Stocked	Environmental Credentials
<b>2440 x 1220 C+/C CE2+</b>			
9mm	PLYFCE09	Y	FSC
12mm	PLYFCE12	Y	FSC
15mm	PLYFCE15	Y	FSC
18mm	PLYFCE18	Y	FSC
25mm	PLYFCE25	Y	FSC
<b>2440 x 1220 C+/C CE4</b>			
9mm	PLYBVS09	Y	FSC
12mm	PLYBVS12	Y	FSC
18mm	PLYBVS18	Y	FSC
25mm	PLYBVS25	Y	FSC

Additional specifications, sizes, chain of custody and specials are available to order

**Sudati** **sudply**



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E: panel4@internationaltimber.com



# SOFTWOOD PLYWOOD

## LUMIN EUCALYPTUS AND PINE PLYWOOD



### INTRODUCTION:-

A plantation grown species suitable for numerous end uses including structural, hoarding, packaging and furniture.

### PROPERTIES

BOTANICAL NAME	Eucalyptus grandis, Pinus taeda
PHYSICAL/STRUCTURAL PROPERTIES	CE2+ / TECO
GLUE LINE	Exterior E1
TYPICAL APPLICATIONS	Walls, Floors, Roofs, Packing and Furniture
ORIGIN	Uruguay
DURABILITY	BSEN 636-2
PURCHASING CYCLE	Two Monthly
ENVIRONMENTAL CREDENTIALS	PEFC
STORAGE ADVICE	Store horizontally on a firm base with enough bearers to prevent sagging. Cover stack to protect top and edges from moisture penetration

LUMIN EUCALYPTUS PLYWOOD			
Product	Code	Stocked	Environmental Credentials
2440 x 1220			
9mm CDX	PCE48409	Y	PEFC
12mm CDX	PCE48412	Y	PEFC
15mm CDX	PCE48415	Y	PEFC
18mm CDX	PCE58418	Y	PEFC
12mm CCXPTS	PCP4EP12	Y	PEFC
18mm CCXPTS	PXE58418	Y	PEFC
18mm BCX Pine	PBCXP718	Y	PEFC
Hardwood Plywood Alternatives			
12mm Overlay Good one side	POL4EP12	Y	PEFC
18mm Overlay Good one side	POL5EP18	Y	PEFC
18mm Tropical Replacement Panel	PTR6EP18	Y	PEFC

Additional specifications, sizes, chain of custody and specials are available to order

Further technical information see pages 51 -54



# SOFTWOOD PLYWOOD

## M.D.O. PLYWOOD



### INTRODUCTION:-

An special overlaid plywood for use in loose panel concrete formwork.

### PROPERTIES

BOTANICAL NAME	Pinus abies / Pinus radiata / Pseudotsuga menziesii
PHYSICAL/STRUCTURAL PROPERTIES	CE2+
GLUE LINE	Exterior E1
TYPICAL APPLICATIONS	Concrete Formwork
ORIGIN	Finland, Chile, North America
DURABILITY	BSEN 636-2
PURCHASING CYCLE	Two Monthly
ENVIRONMENTAL CREDENTIALS	FSC / PEFC
STORAGE ADVICE	Store horizontally on a firm base with enough bearers to prevent sagging. Cover stack to protect top and edges from moisture penetration

Further technical information see pages 51 -54

M.D.O. PLYWOOD			
Product	Code	Stocked	Environmental Credentials
2440 x1220 x 18mm			
Wisa-Form Spruce	PLPWMD18	Y	PEFC
Tulsaform	PTFM8418	Y	FSC
Ultraform	PUMP8418	Y	PEFC
Fastform	☎	N	PEFC

Additional specifications, sizes, chain of custody and specials are available to order







## Problem solved

If you want to build smart, you've got to think smart. To find better quality and better value, you've got to look beyond the obvious. That's why the smart money goes on SmartPly.

SmartPly doesn't delaminate and has no knotholes, core voids or other structural defects and is less expensive than plywood. It's bonded with exterior glue and is ideal for flooring, roofing, wall sheathings, site hoardings and lots of other general building uses.

For more information or a free product sample please visit [smartply.com](http://smartply.com) or call **01322 424900**.



[www.smartply.com](http://www.smartply.com)

## SOFTWOOD PLYWOOD ORIENTED STRAND BOARD (OSB)



### INTRODUCTION:-

Several products held in stock including Smartply, Egger, Kronospan and Sterling Board.

### PROPERTIES

PHYSICAL/STRUCTURAL PROPERTIES	CE2+ / BBA / IAB
GLUE LINE	Exterior E1
TYPICAL APPLICATIONS	Floors, Walls and Roofs
ORIGIN	UK, Ireland, Germany, Latvia
DURABILITY	BSEN 636-2
PURCHASING CYCLE	Monthly
ENVIRONMENTAL CREDENTIALS	FSC / PEFC
STORAGE ADVICE	Store horizontally on a firm base with enough bearers to prevent sagging. Cover stack to protect top and edges from moisture penetration

Further technical information see pages 51 - 54



ORIENTED STRAND BOARD (OSB)			
Stock Range	Code	Stocked	Environmental Credentials
Sterling Board/Smartply/Egger			
<b>2440 x 1220 OSB 2</b>			
8mm	☎	Y	FSC
11mm	FSBSTD11	Y	FSC
15mm	FSBSTD15	Y	FSC
18mm	FSBSTD18	Y	FSC
22mm	☎	Y	FSC
25mm	☎	Y	FSC
<b>2400 x 1200 OSB 3</b>			
9mm	FSBBBA09	Y	FSC
<b>2700 x 1200 OSB 3</b>			
9mm	FSBBBAA9	Y	FSC
<b>2440 x 1220 OSB 3</b>			
11mm	FSBBBA11	Y	FSC
15mm	FSBBBA15	Y	FSC
18mm	FSBBBA18	Y	FSC
<b>2400 x 590 TG4 OSB 3</b>			
15mm	☎	Y	FSC
18mm	FSBTG18B	Y	FSC
22mm	☎	Y	FSC
<b>2440 x 1220 Smartply SiteProtect</b>			
18mm	FSBSSP18	Y	FSC
<b>2440 x 1220 ToughPly OSB</b>			
12mm	☎	N	FSC
18mm	☎	N	FSC

Additional specifications, sizes, chain of custody and specials are available to order



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E: [panel3@internationaltimber.com](mailto:panel3@internationaltimber.com)

SOUTH EAST PANEL SALES  
0844 728 0393  
E: [panel4@internationaltimber.com](mailto:panel4@internationaltimber.com)



# PARTICLE BOARD UK CHIPBOARD



### INTRODUCTION:-

Caberboard is an engineered panel product used in several applications throughout the construction and furniture industries.

### PROPERTIES

BOTANICAL NAME	Spruce / pine & recycled wood Picea abies
PHYSICAL/STRUCTURAL PROPERTIES	BS EN 312:Parts 1 & 5 and BS EN13986:2002 /; BBA
TYPICAL APPLICATIONS	Flooring, Furniture, Shelving
ORIGIN	Scotland, Wales
PURCHASING CYCLE	Monthly
ENVIRONMENTAL CREDENTIALS	FSC
STORAGE ADVICE	On delivery, boards should be stacked on equidistantly spaced battens in a dry covered area with outside storage adopted only as a last resort. If storage outside is unavoidable stack on dry level ground and protect the boards by covering with a polythene or waterproof sheet. Ensure that the board edges are covered and secured to avoid lifting by the wind

FLOORING GRADE CHIPBOARD			
Product	Code	Stocked	Environmental Credentials
2400 x 600 TG4			
18mm P5	FH18C4TA	Y	FSC
22mm P5	FH22C4TA	Y	FSC
Caberdek Chipboard Flooring (P5)			
18mm	FCCP8618	Y	FSC
22mm	FCCP8622	Y	FSC

STANDARD GRADE CHIPBOARD			
Product	Code	Stocked	Environmental Credentials
2440 x 1220 S/E			
12mm P1	FHST12T1	Y	FSC
18mm P1	FHST18T1	Y	FSC
25mm P1	☎	Y	FSC

Additional specifications, sizes, chain of custody and specials are available to order

**kronospan**  
Wood, perfected

**Caberfloor™**



# PARTICLE BOARD EGGER CHIPBOARD



### INTRODUCTION:-

Egger UK offers a range of P5 flooring grade chipboard along with its HDX range of industrial products.

### PROPERTIES

BOTANICAL NAME	Picea abies (spruce) / Pinus sylvestris (pine) & recycled wood
PHYSICAL/STRUCTURAL PROPERTIES	BS EN 312 ; BBA; manufactured from Type P5 flooring grade chipboard faced with thermosetting impregnated kraft paper bonded to both sides of the chipboard. BBA approved and can be left exposed to the elements during the building process
TYPICAL APPLICATIONS	Flooring including mezzanine and access
ORIGIN	England
PURCHASING CYCLE	Monthly
ENVIRONMENTAL CREDENTIALS	FSC
STORAGE ADVICE	On delivery, boards should be stacked on equidistantly spaced battens in a dry covered area with outside storage adopted only as a last resort. If storage outside is unavoidable stack on dry level ground and protect the boards by covering with a polythene or waterproof sheet. Ensure that the board edges are covered and secured to avoid lifting by the wind



EGGER CHIPBOARD FLOORING & HDX			
Product	Code	Stocked	Environmental Credentials
2400 x 600 TG4			
18mm P5	FH18C4PM	Y	FSC
22mm P5	FH22C4PM	Y	FSC
18mm Protect	FCCF2618	Y	FSC
22mm Protect	FCCF2622	Y	FSC
18mm Peelclean	FH18WPCX	Y	FSC
22mm Peelclean	FH22WPCX	Y	FSC
38mm HDX P6	CHX38TGP	Y	FSC
38mm HDX Protect	☎	Y	FSC
Adhesives			
D3 Adhesive	CHWEADH1	Y	FSC
D4 Adhesive	CHWEADH2	Y	FSC

Additional specifications, sizes, chain of custody and specials are available to order  
Further technical information see pages 51 - 54

**EGGER**

Egger Peel Clean



Egger Protect







**MEDITE FR**  
(Flame Retardant)



**MEDITE EXTERIOR**



**MEDITE ECOLOGIQUE**  
(Zero added formaldehyde)



**MEDITE FQ**  
(Flooring Quality)



**MEDITE TRICOYA**  
(NEW Extreme Durable MDF)  
50 year guarantee



**MEDITE ULTRALITE**



**MEDITE PREMIER**  
(All purpose)



**MEDITE MR**  
(Moisture Resistant)

## We're continually evolving

Find your most extensive range of MDF from Medite. With over 35 years' experience in MDF, our research and development brings you a range that's extensive, innovative and sustainable.

Medite Tricoya is the worlds only Extreme Durable MDF, and the first major innovation in the wood panel industry for 30 years. Medite Tricoya has a 50 year guarantee and 1000's of possible uses.

For more information or a free product sample please visit [medite-europe.com](http://medite-europe.com) or call **01322 424900**.

**Medite: Raising the standard of MDF**



The mark of  
responsible forestry  
FSC® C020700





# MEDIUM DENSITY FIBREBOARD

## MDF - FROM CABER, MEDITE, FINSA, KRONOSPAN



### INTRODUCTION:-

Our MDF offers a consistency of quality and thickness and is engineered to perform.

#### PROPERTIES

BOTANICAL NAME	Picea abies (spruce), Pinus sylvestris (pine)
PHYSICAL/STRUCTURAL PROPERTIES	EN 622-5 ; BS EN 120 (E1)
TYPICAL APPLICATIONS	Furniture, Shopfitting, Toys and Doors
ORIGIN	Scotland, Ireland, Spain, Wales
PURCHASING CYCLE	Monthly
ENVIRONMENTAL CREDENTIALS	FSC / PEFC
STORAGE ADVICE	Transport in uniform stacks on a flat base to avoid damage. Protect against the weather; store on a rigid flat base and adequately ventilated. Insulate from the ground to avoid dampness. When wooden battens are used they shall be of uniform thickness and placed in line. The distance between the battens should be no greater than 700 - 1000mm

MDF - MEDIUM DENSITY FIBREBOARD			
Product	Code	Stocked	Environmental Credentials
2440 x 1220			
12mm Medite Trade	FDCL12A	Y	FSC
15mm Medite Trade	FDCL15A	Y	FSC
18mm Medite Trade	FDCL18A	Y	FSC
3mm Fibranor	☎	Y	PEFC
6mm Medite Premier	MDF06MED	Y	FSC
9mm Medite Premier	MDF09MED	Y	FSC
12mm Medite Premier	MDF12MED	Y	FSC
15mm Medite Premier	MDF15MED	Y	FSC
18mm Medite Premier	MDF18MED	Y	FSC
22mm Medite Premier	MDF22MED	Y	FSC
25mm Medite Premier	MDF25MED	Y	FSC
30mm Medite Premier	MDF30MED	Y	FSC
36mm Iberpan	☎	Y	PEFC
38mm Iberpan	☎	Y	PEFC
40mm Iberpan	☎	Y	PEFC
45mm Iberpan	☎	Y	PEFC
50mm Iberpan	☎	Y	PEFC

3050 x 1220 Medite Premier			
6mm	MDF06MEC	Y	FSC
9mm	MDF09MEC	Y	FSC
12mm	MDF12MEC	Y	FSC
15mm	MDF15MEC	Y	FSC
18mm	MDF18MEC	Y	FSC
22mm	MDF22MEC	Y	FSC
25mm	MDF25MEC	Y	FSC

Additional specifications, sizes, chain of custody and specials are available to order



**kronospan**  
Wood, perfected



**medite**

**Caberwood MDF™**

# MEDIUM DENSITY FIBREBOARD

## MDF MOISTURE RESISTANT



### INTRODUCTION:-

Our moisture resistant MDF panel offering is designed for use in humid conditions.

#### PROPERTIES

BOTANICAL NAME	Picea abies (spruce) / Pinus sylvestris (pine)
PHYSICAL/STRUCTURAL PROPERTIES	EN 622-5 ; BS EN 120(E1)
TYPICAL APPLICATIONS	Kitchen and Bathroom Furniture, Window Sills, Skirting Boards
ORIGIN	Scotland, Ireland, Wales
PURCHASING CYCLE	Monthly
ENVIRONMENTAL CREDENTIALS	FSC
STORAGE ADVICE	Transport in uniform stacks on a flat base to avoid damage. Protect against the weather; store on a rigid flat base and adequately ventilated. Insulate from the ground to avoid dampness. When wooden battens are used they shall be of uniform thickness and placed in line. The distance between the battens should be no greater than 700 - 1000mm

MEDIUM DENSITY FIBREBOARD MOISTURE RESISTANT			
Product	Code	Stocked	Environmental Credentials
2440 x 1220			
6mm	FMDFO6MR	Y	FSC
9mm	FMDFO9MR	Y	FSC
12mm	FMDF12MR	Y	FSC
15mm	FMDF15MR	Y	FSC
18mm	FMDF18MR	Y	FSC
22mm	FMDF22MR	Y	FSC
25mm	FMDF25MR	Y	FSC
3050 x 1220			
6mm	FME10406	Y	FSC
9mm	FME10409	Y	FSC
12mm	FME10412	Y	FSC
15mm	FME10415	Y	FSC
18mm	FME10418	Y	FSC
22mm	FME10422	Y	FSC
25mm	FME10425	Y	FSC

Additional specifications, sizes, chain of custody and specials are available to order



**kronospan**  
Wood, perfected



**medite**

**Caberwood MDF™**



# MEDIUM DENSITY FIBREBOARD SPECIALS



## INTRODUCTION:-

Medite Tricoya is an extremely durable MDF that offers outstanding dimensional stability and comes with a 50 year guarantee.

Exterior MDF is used as a substitute for softwood, hardwood, plywood, plastic and metal in non-stressed applications.

## PROPERTIES

BOTANICAL NAME	Picea Abies(Spruce) / Pinus sylvestris(Pine) / Pinus radiata
PHYSICAL/STRUCTURAL PROPERTIES	EN 622-5 ; BS EN 120(E1)
TYPICAL APPLICATIONS	Exterior facades and cladding as well as door and sign manufacture. Ultralite is ideal for exhibition work along with film and tv studio sets.
ORIGIN	Scotland / Ireland / Iberia
PURCHASING CYCLE	Monthly
ENVIRONMENTAL CREDENTIALS	FSC / PEFC
STORAGE ADVICE	Transport in uniform stacks on a flat base to avoid damage.Protect against the weather, store on a rigid flat base and adequately ventilated.Insulate from the ground to avoid dampness.When wooden battens are used they shall be of uniform thickness and placed in line.The distance between the battens should be no greater than 700-1000mm.

MDF SPECIALS			
Product	Code	Stocked	Environmental Credentials
2440 x 1220 Tricoya			
6mm	PMTF2406	Y	FSC
9mm	PMTF2409	Y	FSC
12mm	PMTF2412	Y	FSC
15mm	PMTF2415	Y	FSC
18mm	PMTF2418	Y	FSC
3050 x 1220			
15mm	PMTF3015	Y	FSC
18mm	PMTF3018	Y	FSC
2440 x 1220 Ecologique			
18mm	PMEF8418	Y	FSC
2440 x 1220 Exterior Grade			
6mm	☎	N	FSC
9mm	☎	N	FSC
12mm	☎	N	FSC
15mm	☎	N	FSC
18mm	FDF18MEX	Y	FSC
2440 x 1220 Ultralite			
18mm	FDFCL18C	Y	FSC
3050 x 1220			
12mm	FDFCL12B	Y	FSC
18mm	FDFCL18B	Y	FSC

Additional specifications, sizes, chain of custody and specials are available to order



# DECORATIVE PANELS VENEERED MEDIUM DENSITY FIBREBOARD



## INTRODUCTION:-

A range of MDF with a real wood veneer on both sides. The most popular veneers are: American and European crown cut Oak, European quarter cut Oak, Ash, Maple, Cherry, Steamed Beech, American Black Walnut, quarter cut Sapele and Pine. Many more species are available on request.

## PROPERTIES

PHYSICAL/STRUCTURAL PROPERTIES	A/B quality
TYPICAL APPLICATIONS	Shopfitting, Furniture and Joinery
ORIGIN	Spain, Belgium, Ireland
PURCHASING CYCLE	Monthly
ENVIRONMENTAL CREDENTIALS	PEFC / FSC
STORAGE ADVICE	Store horizontally on a firm base with enough bearers to prevent sagging. Cover stack to protect top and edges from moisture penetration and damage



VENEERED MEDIUM DENSITY FIBREBOARD			
Stock Range	Code	Stocked	Environmental Credentials
Our standard range is available in 2440 x 1220 and in thicknesses 6mm - 26mm. However, we can offer other sizes to order.			
European Q/C White Oak			
19mm	PMVOQP19	Y	PEFC / FSC
European C/C White Oak			
4mm	☎	Y	PEFC / FSC
6mm	PMVOCPO6	Y	PEFC / FSC
10mm	PMVOCPO9	Y	PEFC / FSC
13mm	PMVOCP12	Y	PEFC / FSC
19mm	PMVOCP19	Y	PEFC / FSC
26mm	PMVOCP26	Y	PEFC / FSC
Maple			
19mm	PMVMZP19	Y	PEFC / FSC
Cherry			
19mm	PMVCZP19	Y	PEFC / FSC
Ash			
6mm	PMVAZP06	Y	PEFC / FSC
13mm	PMVAZP12	Y	PEFC / FSC
19mm	PMVAZP19	Y	PEFC / FSC
Steamed Beech			
6mm	PMVBZP06	Y	PEFC / FSC
19mm	PMVBZP19	Y	PEFC / FSC
Q/C Sapele			
19mm	☎	Y	PEFC / FSC
Pine			
19mm	☎	Y	PEFC / FSC
American Black Walnut			
4mm	☎	Y	PEFC / FSC
6mm	PMVWZP06	Y	PEFC / FSC
10mm	☎	Y	PEFC / FSC
13mm	☎	Y	PEFC / FSC
19mm	PMVWZP19	Y	PEFC / FSC
26mm	PMVWZP26	Y	PEFC / FSC
22mm Real Wood Edging - 60 metre rolls			
Oak	B0005461	Y	PEFC / FSC
Ash	B0005463	Y	PEFC / FSC
Steamed Beech	B0005464	Y	PEFC / FSC
Walnut	B0005462	Y	PEFC / FSC

Additional specifications, sizes, chain of custody and specials are available to order  
Further technical information see pages 51-54





# DECORATIVE PANELS THE OAK COLLECTION AND LOOK'LIKES



'The OAK collection' is a response to a contemporary trend in Northern Europe. People are looking to combine authentic materials in their interiors with more streamlined, modern elements. Our supplier aims to meet this need by adding a new dimension to its carefully selected European oak. They are doing this by using mismatched jointing and giving the surface more structure.

Using the 'Structured wood' programme Decospan is working in a creative way. Thanks to their unique, patented method they can apply unique effects to the wood. By brushing type B1 the structure of the wood is more accentuated by removing the soft summer wood. If you prefer thicker veneers (> 1,5 mm) they can offer you the brushed wood type B2. Here they bring a deep structure in the direction of the wood grain. This structure can be compared to sandblasting. Furthermore, Decospan is offering 4 different types of 'scratching'. Through this method, we bring structure across the lateral direction of the wood. In this way they obtain unique 3D-patterns.

Full range and samples available on request.



Look'likes is a collection of reconstituted veneers centred around the key themes of continuity and creativity. The collection combines the advantages of an imitation wood decor and natural veneer.

Contact us to get details of the full range.

**look'  
likes**  
reconstituted  
veneers

# DECORATIVE PANELS DECOFLEX

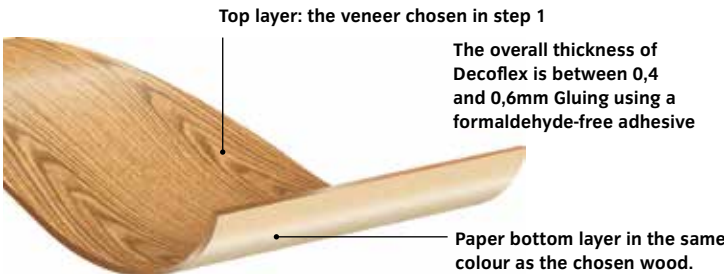


## Decoflex

flexible wood veneer

WHAT IS DECOFLEX?

Decoflex is a jointed sheet of veneer that is extremely easy to work with. The jointed veneer sheet is first pressed onto paper. The wood fibres are then broken and finally it is pre-sanded with a 150 grain. This gives us a flexible sheet of wood veneer.



- Glue it yourself
- Suitable for any veneering application
- Can be processed onto various substrates
- Curved surface finishes
- Simple to cut (scissors, modelling knife)



Gluing using a formaldehyde-free adhesive

### FLEXIBILITY IS THE KEY FEATURE OF THIS PRODUCT

- You can glue Decoflex onto any substrate in next to no time.
- The range of Decoflex products we hold in stock can be delivered anywhere in Europe in 72 hours.
- Decoflex can also be used as a quick way of finishing the edges of any other type of panel material.

**We would also like to draw your attention to the new widths we can offer. Further investment in this department means Decospan is now able to deliver Decoflex in 1530 mm widths.**

When gluing the product, we strongly recommend that you follow our instructions closely. They can be found in every box and on our website [www.decospan.com](http://www.decospan.com).



Decoflex always comes packaged like this. This is the only packaging that guarantees Decospan quality!

### OUR STOCK PROGRAM

AR (Architectural) CL (Classic)	BOOK			MISMATCH
	2500 x 1240mm	2750 x 1240mm	3050 x 1240mm	3050 x 1240mm
Alder European (Crown cut)	AR			
Ash white (Crown cut)	AR CL	AR	AR	
Ash white (Quarter)	AR			
Bamboo natural plain pressed	CL			
Bamboo steamed side pressed	CL			
Beech Steamed	CL			
Beech Steamed (Crown cut)	AR	AR	AR	
Beech white	CL			
Beech white (Crown cut)	AR			
Beech white (Quarter)	AR			
Birch Rotary	CL			
Cherry European (Crown cut)	AR			
Cherry US	CL		CL	
Cherry US (Crown cut)	AR		AR	
Chestnut (Crown cut)	AR			
Douglas Fir (Quarter)		AR		
Elm red (Crown cut)	AR			
Gaboon Rotary	CL		CL	
Iroko			AR	
Khaya	AR			
Larch			AR	
Maple	CL			
Maple (Crown cut)	AR		AR	
Oak crown (Crown cut)	AR CL	AR	AR CL	
Oak flake (Quarter)	CL		CL	CL
Oak Knotty				CL
Oak Rift (Quarter)	AR	AR	AR	
Pine	CL			
Oak				CL
Pine Baltic	CL			
Sapele (Crown cut)	AR			
Sapele (Quarter)	AR		AR	
Sycamore (Crown cut)	AR		AR	
Teak (Crown cut)	AR		AR	
Walnut American	CL			CL
Walnut American (Crown cut)	AR	AR	AR	
Wenge (Quarter)	AR		AR	
Zebrano (Quarter)	AR		AR	
Balancing veneer – mill's choice	•	•	•	



# DECORATIVE PANELS MATCHTEK PRODUCTS



## INTRODUCTION:-

MatchTek is machined moisture resistant MDF sheets that have been profiled to create a decorative planked effect. Flexible MDF is also available.

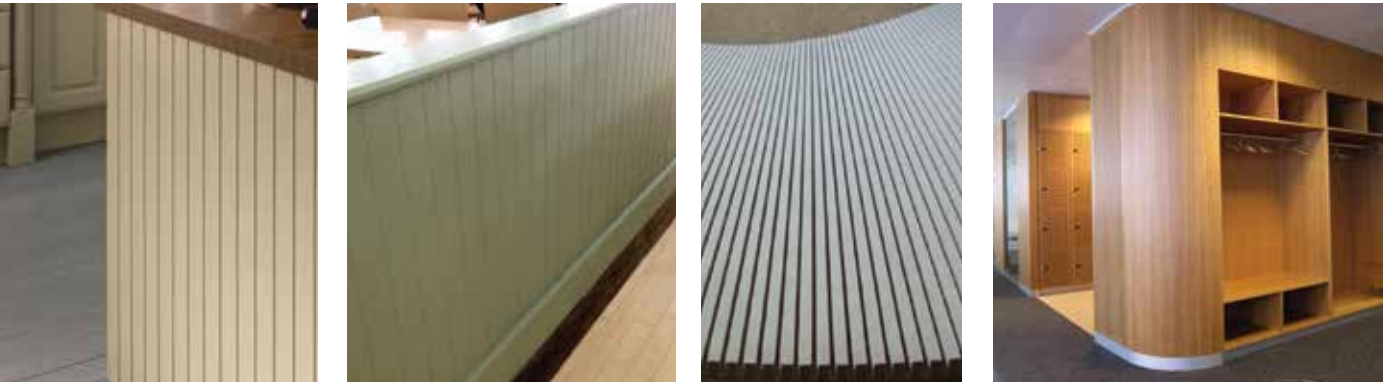
### PROPERTIES

PHYSICAL/STRUCTURAL PROPERTIES	EN 622-5 ; BS EN 120 (E1)
TYPICAL APPLICATIONS	Panelling, Splashback and Counters
ORIGIN	England
PURCHASING CYCLE	Monthly
ENVIRONMENTAL CREDENTIALS	FSC
STORAGE ADVICE	Transport in uniform stacks on a flat base to avoid damage. Protect against the weather, store on a rigid flat base and adequately ventilated. Insulate from the ground to avoid dampness. When wooden battens are used they shall be of uniform thickness and placed in line. The distance between the battens should be no greater than 700-1000mm

Further technical information see pages 51 -54

MATCHTEK PRODUCTS			
Product	Code	Stocked	Environmental Credentials
2440x1220 W Profile MR			
9mm Unprimed	MP102412	Y	FSC
9mm Primed	MP1W2412	Y	FSC
18mm Unprimed	☎	Y	FSC
18mm Primed	☎	Y	FSC
1220x2440 W Profile MR			
9mm Unprimed	MP101224	Y	FSC
9mm Primed	MP1W1224	Y	FSC
18mm Unprimed	☎	Y	FSC
18mm Primed	☎	Y	FSC
3050x1220 W Profile MR			
9mm Unprimed	MP103012	Y	FSC
9mm Primed	MP1W3012	Y	FSC
18mm Unprimed	☎	Y	FSC
18mm Primed	☎	Y	FSC
1220x3050 W Profile MR			
9mm Unprimed	MP101230	Y	FSC
9mm Primed	☎	Y	FSC
18mm Unprimed	☎	Y	FSC
18mm Primed	☎	Y	FSC
Flexi-Tek Flexible MDF			
1220x2440x6mm	MFFL1206	Y	FSC
2440x1220x6mm	MFFL2406	Y	FSC
1220x2440x9mm	MFFL1209	Y	FSC
2440x1220x9mm	MFFL2409	Y	FSC

Additional specifications, sizes, chain of custody and specials are available to order



# DECORATIVE PANELS DECORTEK



## DECORTEK:-

Decortek is veneered MDF with profiled inserts added to the face to create the appearance of solid wood panelling. A high quality product that is used to stunning effect in furniture and shopfitting applications.

DECORTEK				
2440 x 1220 Decortek				
Species	Thickenss		Profiles	
	10mm	19mm	P11	P13
White Oak Crown	●	✓	✓	●
White Oak Qtr	●	✓	✓	●
White Ash Crown	●	●	●	●
Steamed Beech Crown	●	●	●	●
White Beech Crown	●	●	●	●
Cherry Crown	●	●	●	●
Maple Crown	●	●	●	●
Pine Crown	●	●	●	●
Sapele Crown	●	●	●	●
Walnut Crown	●	●	●	●
✓ Standard Specification   ● Optional Specification				



WHITE OAK P13

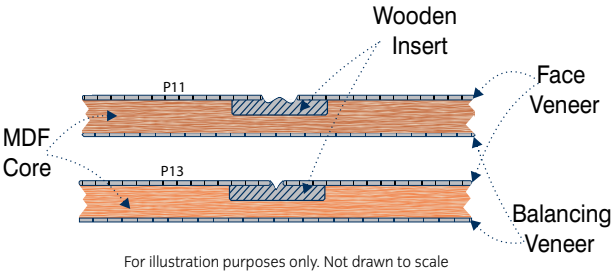


WALNUT P11

P11 SHALLOW 'W'



P13 SHALLOW 'V'





# Sundeala

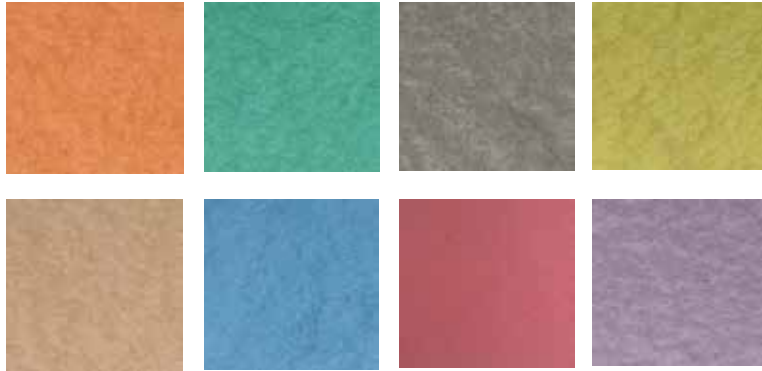
## Eco-nomical Pin Boards

### MADE FROM 100% WASTE PAPER



Eco pin boards are manufactured in the UK and supplied nationwide for the education, hotel, sport and leisure industries as well as domestic and commercial applications.

The unique manufacturing process recycles approx 110 million newspapers per annum saving nearly 1200 cubic metres of land fill space. With a **25 year warranty** for commercial use, Sundeala products offer exceptional value for money.



Colourboard is an integrally dyed 9mm thick pre-sanded board. The advantage of having the colour saturated throughout the product is evident if accidents occur. Any scuffs or unwanted marks can be easily sanded off, leaving a clean, fresh, revitalised finish.

Produced in 8 contrasting colours, Colourboard is also available in a Flame Retardant (FRB) Quality.



BIM files available on our website



Sundeala Limited

Middle Mill, Cam, Dursley, Gloucestershire GL11 5LQ

Tel: 01453 540900

Email: sales@sundeala.co.uk

Fax: 01453 549085

## PINBOARDS

### SUNDEALA BOARD



#### INTRODUCTION:-

An environmentally sustainable board made from almost 100% recycled paper.

#### PROPERTIES

PHYSICAL/STRUCTURAL PROPERTIES	EN622-3
TYPICAL APPLICATIONS	Noticeboards, Dry wipe and Chalk boards
ORIGIN	U.K.
PURCHASING CYCLE	Monthly
ENVIRONMENTAL CREDENTIALS	Recycled newsprint
STORAGE ADVICE	Store horizontally on a firm base with enough bearers to prevent sagging. Cover stack to protect top and edges from moisture penetration

Further technical information see pages 51 - 54

SUNDEALA BOARD			
Product	Code	Stocked	Environmental Credentials
<b>2440 x 1220</b>			
9mm K Quality	SUNKMH09	Y	✓
<b>9mm K Colourboard</b>			
Green		Y	✓
Yellow		Y	✓
Lilac		Y	✓
Orange		Y	✓
Charcoal		Y	✓
Red		Y	✓
Blue		Y	✓
Wheat		Y	✓

Additional specifications, sizes, chain of custody and specials are available to order



SCOTLAND PANEL SALES

0844 728 0323

E: panel1@internationaltimber.com

NORTHERN PANEL SALES

0844 728 0343

E: panel2@internationaltimber.com

SOUTH WEST & WALES PANEL SALES

0844 728 0363

E: panel3@internationaltimber.com

SOUTH EAST PANEL SALES

0844 728 0393

E: panel4@internationaltimber.com



# FIBREBOARDS HARDBOARD AND INSULATION BOARD



## INTRODUCTION:-

Both standard and white painted hardboard along with insulation board is kept on the ground at all the International Timber depots.

### PROPERTIES

PHYSICAL/STRUCTURAL PROPERTIES	BS EN 622
TYPICAL APPLICATIONS	Hardboard : Low cost versatile product used in a number of internal applications such as furniture backing and drawer bottoms. Insulation board is generally used for lining walls and ceilings
ORIGIN	Hardboard: Lithuania, Poland, Estonia, Finland
PURCHASING CYCLE	Monthly
ENVIRONMENTAL CREDENTIALS	FSC / PEFC
STORAGE ADVICE	Transport in uniform stacks on a flat base to avoid damage. Protect against the weather; store on a rigid flat base and adequately ventilated. Insulate from the ground to avoid dampness. When wooden battens are used they shall be of uniform thickness and placed in line. The distance between the battens should be no greater than 700 - 1000mm

Further technical information see pages 51 -54

HARDBOARD & INSULATION BOARD			
Product	Code	Stocked	Environmental Credentials
Hardboard 3.2mm			
1220 x 610mm	FBCS9342	Y	FSC / PEFC
2440 x 1220mm	FBSD0384	Y	FSC / PEFC
2440 x 1220mm White Painted	FBWP0384	Y	FSC / PEFC
2440 x 1220mm Oil Tempered	☎	Y	PEFC
Hardboard 4.8mm			
2440 x 1220mm Oil Tempered	☎	Y	PEFC
Hardboard 6mm			
2440 x 1220mm	☎	Y	PEFC
2440 x 1220mm Oil Tempered	☎	Y	PEFC
2440 x 1220 Insulation Board			
12mm	FBDNSF12	Y	FSC
2440 x 1220 Grafton Pinboard			
10mm	PISP8410	Y	PEFC

Additional specifications, sizes, chain of custody and specials are available to order



# SPECIALIST PANELS VERSAPANEL



## INTRODUCTION:-

An external cement bonded particle board comprising of wood particles and cement. Resistant to FIRE - SOUND - MOISTURE

### PROPERTIES

PHYSICAL/STRUCTURAL PROPERTIES	Class O conforms to BS 634 parts 1 & 2
TYPICAL APPLICATIONS	External Cladding, Flooring and Acoustic Ceilings
ORIGIN	France
PURCHASING CYCLE	Monthly
ENVIRONMENTAL CREDENTIALS	FSC
STORAGE ADVICE	Store horizontally on a firm base with enough bearers to prevent sagging. Cover stack to protect top and edges from moisture penetration

Further technical information see pages 51 -54

STORAGE ADVICE			
Product	Code	Stocked	Environmental Credentials
2440x1220			
8mm	☎	Y	FSC
10mm	IEFVP010	Y	FSC
12mm	IEFVP012	Y	FSC
16mm	☎	Y	FSC
19mm	☎	Y	FSC

Additional specifications, sizes, chain of custody and specials are available to order



- Multi-purpose Cement Particle Board
- Unlimited Internal & External Applications
- Fire & Sound Resistant
- Easy to Install
- Cost effective
- High Impact Resistant
- Wide Range of Thicknesses







# SPECIALIST PANELS FLAME RETARDANT PRODUCTS

## INTRODUCTION:-

We offer a range of panel products which are CPD compliant and CE marked. Our product offering includes Plywood and MDF treated to both Euro Class C and Euro Class B.

### PROPERTIES

PHYSICAL/STRUCTURAL PROPERTIES	EN 13501-1
TYPICAL APPLICATION	Government projects such as schools and hospitals, swimming pools, lifeboat stations, transport and rail requirements, listed buildings and churches
ORIGIN	Malaysia, Spain, Ireland, UK
PURCHASING CYCLE	Monthly
ENVIRONMENTAL CREDENTIALS	PEFC
STORAGE ADVICE	Store horizontally on a firm base with enough bearers to prevent sagging. Cover stack to protect top and edges from moisture penetration

Further technical information see pages 51 - 54



FLAME RETARDANT PRODUCTS			
Stock Range	Code	Available ex-Stock	Environmental Credentials
Hardwood faced plywood 2440 x1220			
Euro Class B			
3.6mm		Y	PEFC
5.5mm	PLY06PF1	Y	PEFC
9mm		Y	PEFC
12mm	PLY12PF1	Y	PEFC
15mm		Y	PEFC
18mm	PLY18PF1	Y	PEFC
25mm		Y	PEFC
Finnish Spruce Plywood 2440 x 1220			
Euro Class B			
18mm		N	PEFC
Medium Density Fibreboard 2440 x 1220			
Euro Class B			
12mm	PMFRBP12	Y	PEFC
18mm	PMFRBP18	Y	PEFC
Sundeala FRB Board 2440 x1220			
9mm	SUNFRB09	Y	✓ ☎

Additional specifications, sizes, chain of custody and specials are available to order  
EURO CLASS C products are available on request  
From quarter 3 2013 all FR Plywood delivered from stock will comply with the CE marking requirement of the Construction Products Regulation.



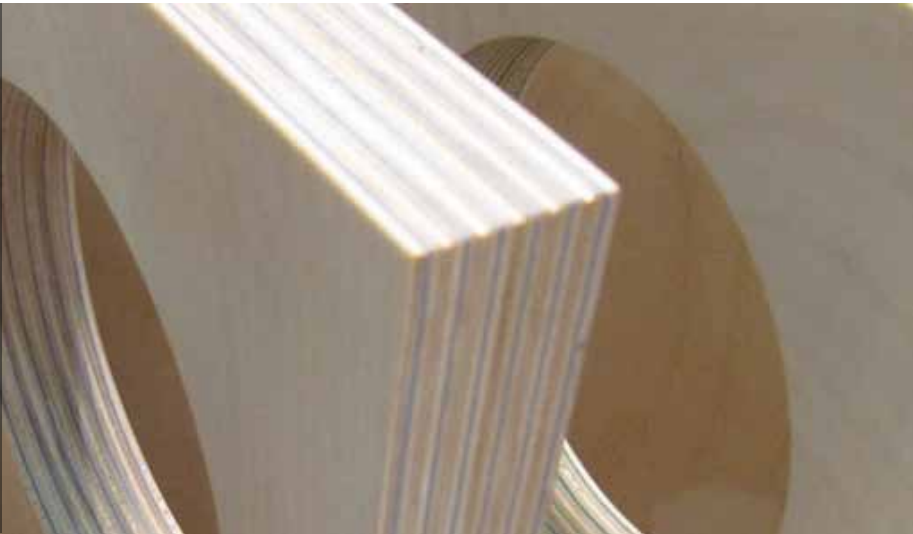




# VALUE ADDED SERVICES MACHINING

International Timber offer cut to size panel products via state of the art beam saws and CNC Routers. We also offer a T&G service, both two long and all four edges, from spindle moulders and these edges can be compatible with the leading chipboard manufacturer's profiles. Nosed edges or chamfered edges and faces are also offered as part of our machining service.

The CNC Routers can accept boards up to 3050mm x 1220mm which can be drilled, grooved, shaped, profiled, chamfered and also offer cut-outs.



## STAIR PARTS - TREADS AND RISERS

We also offer cut to size Plywood or MDF treads and risers to your specification. Treads can be bull-nosed and pre-grooved for a riser.

Stringer material is available from stock in Laminated or Solid KD Whitewood or Redwood, along with a range of Clear Softwoods and Hardwoods.

To complement the staircase construction, we offer a full range of solid or laminated Newell and Balustrade sections, in softwood or hardwood, along with a range of spindles to suit.

**Please contact our sales team for expert advice and help in meeting your requirements, however bespoke they may be.**

Image Copyright ©Stairways



# TECHNICAL INFORMATION

## PLYWOOD

Plywood is a wood based panel product consisting of layers of veneers glued together, with the direction of the grain in adjacent layers at right angles. It is available in various species and qualities dependent upon the end use.

## MDF

MDF is a wood based sheet material manufactured from wood fibres bonded together with a synthetic resin adhesive and suitable for a wide variety of interior uses. For more demanding situations MDF is also available in moisture resistant, flame retardant, high density and exterior grades.

## OSB

OSB is an engineered wood product formed by layering strands of wood in specific orientations. It is compressed and bonded together using both wax and resin adhesives. There are two main types, OSB 2 for use in dry conditions and OSB 3 for structural use in humid conditions.

## PARTICLE BOARD OR CHIPBOARD

Particle Board is an engineered wood product manufactured from wood chips, shavings and/or sawdust then pressed and bonded together with a synthetic resin. This product is mainly used as a carcassing material in the furniture trade or as a flooring product.

## USEFUL TIPS

### The need for sealing both faces and edges of wood based panel products.

Many of the problems that can beset any woodbased panel products in situ could be avoided if the faces and edges were sealed against any moisture absorption before being installed. Water penetration can lead to the premature failure of any woodbased panel products. Water is absorbed much faster on the edges of an unprotected panel because most of the wood exposed can be end grain. The effect of water penetration through non protected edges/faces can lead to the following faults:

1. Edge swelling
2. Discolouration
3. Mould development
4. Staining
5. Delamination
6. Decay

It is important to remember that even where a fully exterior adhesive has been used in manufacture repeated wetting and drying of the board can give rise to splitting, cracking and delamination. When choosing a sealant the most important factor is that it is impervious to water.

### Panel products for use in external conditions

Some woodbased panel products can be used in demanding exterior conditions. However, to be fully fit for purpose they must be correctly specified, installed and maintained. The term exterior use covers a wide range of situations from where the panels may be in contact with water to where the panels are only subject to occasional wetting. There are two important concepts to consider when specifying a panel product for exterior use:

1. Service class
2. Hazard class

Service classes are used in structural design to define the environmental conditions in service which affect the mechanical performance of a panel under certain conditions.

Hazard classes deal with the risk of biological attack. Both of these classes are used to determine the suitability and correct treatment of a product for constructional purposes.

The fact that a plywood may have been manufactured with an exterior glue does not mean or imply that it is suitable for long term exposure to exterior conditions. Most situations will require a durable veneer species along with an effective coating or preservative treatment.

### Specifying panel products for structural use.

The most effective way of specifying a panel product for structural use is to require compliance with the harmonized standard BS EN 13986. Most panel products that are intended for structural use are internationally traded and therefore are likely to carry a CE mark. Products that meet the requirements of the structural standards should be marked FLOORS/ROOFS/WALLS. These panels should meet the requirements of BS EN 12871. For a plywood to be CE marked for Service Class 2 conditions it must comply with grade EN 636-25.

## CONVERSION TABLES

We have included the following conversion tables to help our customers make calculations between imperial and metric equivalents.

MULTIPLY	BY	TO EQUAL
Inches	25.4	millimetres (mm)
	2.54	centimetres (cm)
Feet	30.48	centimetres (cm)
	0.3048	metres (m)
Yards	0.9144	metres (m)
Centimetres	0.3937	inches
Metres	3.2808	feet

EQUIVALENT PANEL SIZES	
1220 x 610mm	4' x 2'
1525 x 1525mm	5' x 5'
1830 x 1220mm	6' x 4'
1981 x 762mm	6'6" x 2'6"
2058 x 838mm	6'9" x 2'9"
2135 x 915mm	7' x 3'
2440 x 1220mm	8' x 4'
2745 x 1220mm	9' x 4'
3050 x 1220mm	10' x 4'
3050 x 1525mm	10' x 5'
3660 x 1830mm	12' x 6'

THICKNESS EQUIVALENTS	
3.6mm/4mm	1/8"
5.5mm/6mm	1/4"
9mm	3/8"
12mm	1/2"
15mm	5/8"
18mm	3/4"
21mm/22mm	7/8"
24mm/25mm	1"
27mm	1 1/8"
30mm	1 1/4"
32mm	1 5/16"
35mm	1 3/8"
38mm	1 1/2"
45mm	1 3/4"
50mm	2"





# TECHNICAL INFORMATION

## MARINE PLYWOOD TO BS1088: 2003

Marine Plywood should meet the requirements of BS 1088:2003 (Marine Plywood). BS 1088 comes in two parts, Part 1 (Requirements) and Part 2 (Determination of Bonding Quality Using Knife Test). The key requirements from part 1 of BS 1088 are highlighted below. However, this is no substitute for purchasing and using the full version of the standard.

Requirements of manufacture include classification according to panel type, Standard (S) and Lightweight (LW). Standard marine plywood has veneers possessing outstanding durability with respect to fungal decay and bonding quality making it suitable for marine construction while lightweight marine plywood is of veneers from timber species of lower density/ durability than those in standard marine plywood while all other requirements remain the same.

**Veneer Durability**  
Standard marine plywood as defined in BS 1088 should have outstanding resistance to bio-deterioration (durability) with time. The biological durability of marine plywood is expected to be greater than that of plywood of the same species that meets the requirements of BS EN 636-3. In this respect, Standard marine plywood should be made throughout of timbers having a durability rating of class 3, BS EN 350-2, or better and a nominal density of > 500kg/m3 and up to 5% sapwood per veneer is permitted.

**Number and thickness of plies**  
According to BS 1088, Marine Plywood panels having a thickness of 6.5mm or less should have three or more plies. Panels having a thickness of greater than 6.5mm should have five or more plies. With 3-ply panels, the combined thickness of the two outer plies after sanding should be between 40% and 65% of the nominal unsanded thickness of the panel. With 5-ply panels, the combined thickness of the two outer plies after sanding, combined with those of the core and other inner plies with their grain direction parallel to the outer plies, should be between 40% and 65% of the nominal unsanded thickness of the panel. Additionally, for panels with nominal thicknesses of greater than 3.8mm, each outer ply should not be less than 1mm thick after sanding and each inner and core ply should not be more than 4.8mm thick.

**Manufacturing Defects**  
In accordance with BS 1088, all marine panels should not contain any of the following manufacturing defects: open joints (e.g. core gaps, overlaps and pleats, blisters, hollows, bumps and imprints), roughness (other than that due to the irregular structure of the wood), sanding through, foreign particles, defects in the edges of panels (e.g. due to sanding, sawing, missing wood).

**Bonding Quality**  
All marine plywood as defined in BS 1088 should have outstanding resistance to loss of bond strength with time. When tested in accordance with BS EN 314-1, the bonding quality should meet a minimum requirement of BS EN 314-2, Bonding Class 3.

**Marking**  
Panels conforming to BS 1088 should be indelibly marked on the back or edge with the following information in the order shown:

- 1) The number and date of the British Standard “BS 1088-1:2003” and the word “MARINE”
- 2) The word “UNBALANCED” if panels are of unbalanced construction
- 3) The word “TREATED” if there has been any application of preservative treatment
- 4) The nominal panel thickness
- 5) The manufacturer's name or ID mark
- 6) The country of manufacture
- 7) The panel type (Standard (S) or Lightweight (LW))
- 8) The name of the timber species according to BS EN 350-2:1994

In addition, the documentation for each consignment of panels should include the marking information above and a list of all the species used in their construction and details of any preservative treatment which has been applied.

**PLYWOOD STANDARDS: USEFUL DEFINITIONS**  
Plywood is produced in accordance with national and European standards. These standards ensure an appropriate marketing of the plywood.

**1. CLASSIFICATION AND SPECIFICATION STANDARDS FOR PLYWOOD**  
**EN 313-1**  
Plywood - Classification and terminology - Part 1: Classification (June 1996)  
**EN 313-2**  
Plywood - Classification and terminology - Part 2: Terminology (May 1995). Revision published in 1999.

**EN 322**  
Wood based panels - Determination of moisture content (June 1993). (Confirmed in November 1998).

**EN 635-1**  
Plywood - Classification by surface appearance - Part 1: General (April 1995).

**EN 635-2**  
Plywood - Classification by surface appearance - Part 2: Hardwood (July 1995).

**EN 635-3**  
Plywood - Classification by surface appearance - Part 3: Softwood (July 1995).

**ENV 635-4**  
Plywood - Classification by surface appearance - Part 4: Parameters of ability for finishing, Guideline (December 1996).

**EN 635-5**  
Plywood - Classification by surface appearance - Part 5: Methods for measuring and expressing characteristics and defects (May 1999).

**EN 636**  
Plywood - Specifications (Published in 2003). *This European Standard specifies the requirements for plywood for general purposes or structural application in dry, humid or exterior conditions. It also gives a classification system based on bending properties.*

**EN 12369-2**  
Wood-based panels - Characteristic values for structural design - Part 2: Plywood (2004).

**ENV 14272**  
Plywood - Calculation method for the determination of some mechanical properties (2002).



# TECHNICAL INFORMATION

**2. TEST METHODS SPECIFIC TO PLYWOOD**  
**EN 314-1**  
Plywood - Bonding quality - Part 1: Test methods (June 1993). Revision published in 2004.

**EN 314-2**  
Plywood - Bonding quality - Part 2: Requirements (June 1993).

**EN 315**  
Plywood - Tolerances for dimensions (June 1993). Revision published in 2000.

**EN 1072**  
Plywood – Description of the bending properties for structural plywood. (November 1995).

**ENV 1099**  
Plywood - Biological durability - Guidance for the assessment of plywood for use in different hazard classes (February 1998).

## 3. GENERAL STANDARDS APPLICABLE TO PLYWOOD

**EN 322**  
Wood based panels - Determination of moisture content (June 1993). (Confirmed in November 1993).

**EN 323**  
Wood based panels – Determination of density (June 1993) (Confirmed in1998).

**EN 310**  
Wood based panels- Determination of modulus of elasticity in bending and of bending strength (June 1993) (Confirmed in November 1998).

**EN 324-1**  
Wood-based panels - Determination of dimensions of boards - Part 1: Determination of thickness, width and length (June 1993). (Confirmed in November 1998)

**EN 324-2**  
Wood-based panels - Determination of dimensions of boards - Part 2: Determination of squareness and edge straightness (June 1993). (Confirmed in November 1998)

**EN 717-1**  
Wood-based panels - Determination of formaldehyde release - Part 1: Formaldehyde release - Part 1: Formaldehyde emission by the chamber method (Published in 2004).

**EN 717-2**  
Wood -based panels - Determination of formaldehyde release - Part 2: Formaldehyde release by the gas analysis method (April 1995). (Corrigendum published in 2002).

**EN 717-3**  
Wood-based panels - Determination of formaldehyde release - Part 3: Formaldehyde release by the flask method (May 1996).

**ENV 1156**  
Wood-based panels - Determination of duration of load and creep factors (May 1999).

**EN 13986**  
Harmonized standard -Wood-based panels for use in construction - Characteristics, evaluation of conformity and marking. (2004)

**EN 318**  
Wood-based panels - Determination of dimensional changes associated with changes in relative humidity. (Revision published in 2002).

**EN 12871**  
Wood-based panels - Performance specifications and requirements for load bearing boards for use in floors, walls and roofs (Published in 2001).

**ENV 12872**  
Wood-based panels- Guidance on the use of wood bearing boards in floors, walls and roofs (2000).

**EN 13879**  
Wood-based panels - Determination of edgewise bending properties (2002).

**EN 13810-1**  
Wood-based panels - Floating floors - Part 1: Performance specifications and requirements (2002).

**DD CEN/TS 13810-2**  
Wood-based panels - Floating floors - Part 2: Test methods (Published in 2003). *Further standardisation at the global level is done within ISO (International Standard Organisation). These standards are in general equivalent to the corresponding European standards.*

## EN 314-2: 1993 – Plywood — Bonding Quality, Requirements

**EN 636: 2003 – Plywood — Specifications**  
There are only two material components in plywood: wood & glue. How these components interact will ultimately define how the plywood performs. These two standards provide a relatively straightforward way of classifying the outcome.

**EN 314-2:1993 Plywood — Bonding Quality**, classifies plywood by bonding quality only and gives rise to 3 bond classes dependent upon the intended end use. Bonding quality is determined by the adhesive type and core veneer quality (physical defects such as knot holes and splits).

(Bond) Class I: suitable for dry interior use only  
(Bond) Class II: suitable for use in humid areas or exposure to occasional wetting  
(Bond) Class III: suitable for unprotected exterior use or exposure to frequent wetting

Following exposure to a simulated hostile weather environment, accelerated in a laboratory, plywood is tested to destruction to assess how well the bond has survived the weathering process. Once bonding quality has been established to EN314, assessment to EN636 can begin.

**EN 636: 2003, Plywood—Specifications**, classifies plywood by taking into account the bond quality AND the biological durability\* of the wood species used in the plywood:  
EN636-1: suitable for dry interior use only  
EN636-2: suitable for use in humid areas or exposure to occasional wetting  
EN636-3: suitable for unprotected exterior use or exposure to frequent wetting

EN314 and EN636 are harmonised standards, so, to achieve EN636 Class II (frequently labelled EN636-2) the bonding quality, as a minimum, must be EN314 Class II. Some plywoods have a bonding quality of EN314 Class III but, because of limited biological durability of the timber species, can only achieve EN636-2. This is precisely the case with softwood plywood.

It is worth bearing in mind that, provided the EN314 bonding is Class III to start with, an otherwise EN636-2 plywood can be upgraded to EN636-3 by preservative treatment, to treatment class T3 (DD CEN/TS 1099:2007).

Most of the plywood sold in the UK will achieve EN314 Bond Class III yet, when assessed to EN636, will achieve EN636-2, because of limited biological durability of the wood. Exceptions to this might include Tropical Hardwood Throughout Plywood and Marine Grade Plywood, provided no sapwood is present. Sapwood is, however, difficult to eliminate.

\* Biological Durability means: the natural capacity of the wood to resist the detrimental effects of fungal decay (rot) and beetle larvae (woodworm).





# TECHNICAL INFORMATION

## PLYWOOD AND OSB IN CONSTRUCTION: INTRODUCTION

**Plywood** is a widely used and well proven construction material made from a combination of wood veneers and resins.

**Oriented Strand Board (OSB)** is an alternative to plywood in a variety of structural and non-structural applications. It is made from long strands of wood bonded together with a synthetic resin adhesive. Both products are available with full structural data and sustainable credentials.

## SPECIFYING CONSTRUCTIONAL PLYWOOD

There are two types of Constructional Plywood:

**Structural Plywood:** Structural Plywood has proof of strength performance provided by the Supplier in addition to other product performance information

**General Plywood:** General Plywood has product performance information provided by the supplier but this will not include strength performance data and so should not be used in a structural application.

Both types of constructional plywood can be used in the three end use classes for plywood defined in the European Standard EN 636 as shown in below. The standard specifies the requirements for plywood for general purposes or structural application in dry, humid or exterior conditions.

Exterior Use - Permanently outside exposed to the weather:

**Structural EN 636-3 S**  
**General EN 636-3 G**

Humid Use - Most construction uses fall into this category as they are covered or rarely exposed to weather, but still at risk of wetting:

**Structural EN 636-2 S**  
**General EN 636-2 G**

Dry Use - Interior with no risk of wetting:

**Structural EN 636-1 S**  
**General EN 636-1 G**

The most common types of plywood available for use in UK construction are structural plywood for humid uses (EN 636-2S) and general plywood for humid uses (EN 636-2G). These types of plywood are made from durable resins which are suitable for most construction uses.

Plywood for Exterior use is also available but may be less cost effective as both the resins and the wood veneers within the product must be durable in the long term. There is also a special type of exterior Plywood called Marine Plywood which has its own British standard BS 1088 2003, and as the name suggests must be durable enough to endure regular exposure to extreme weather conditions. However, Marine Plywood rarely has proof of strength performance provided by the supplier and so should not be used load bearing construction uses, unless this strength data is provided.

## SPECIFYING CONSTRUCTIONAL OSB

Constructional OSB comes in four grades (technical classes) as defined in the European Standard EN 300 and shown in the table below. The standard specifies the requirements for OSB for general purposes or structural applications in dry and humid conditions. Selection of a grade of load-bearing panel is dependent upon the ambient climatic conditions together with the level of loading that is anticipated.

OSB 1 - General purpose boards and boards for interior fitments (including furniture) for use in dry conditions. This should not be used in a structural application.

OSB 2 – Load-bearing boards for use in dry conditions.

OSB 3 – Load-bearing boards for use in humid conditions.

OSB 4 – Heavy duty load-bearing boards for use in humid conditions.

As with structural plywood, Structural OSB (OSB/2/3/4) has proof of strength performance provided by the supplier in addition to other product performance information.

As with plywood, OSB that is used in construction must comply (by law) with the Construction Products Directive (CPD) and the recommended way to achieve this is by compliance with the Harmonised Standard for wood-based panels (EN13986); this standard calls up EN 300 for OSB. A 'CE' logo may be present as an indication that the OSB meets the requirements of the European Standard EN 13986.

## CONSTRUCTION PRODUCTS REGULATION

The construction industry is facing the most significant change for a decade in the way in which construction products are sold in Europe. From 1 July 2013, under the Construction Products Regulation (CPR), it will become mandatory for manufacturers to draw up a declaration of performance and apply CE marking to any of their construction products which is covered by a harmonised European standard for wood based panel products EN13986 when such a product is placed on the market. By definition a construction product is any product which is produced and placed on the market for incorporation in a permanent manner in construction works or parts thereof and the performance of which has an effect on the performance of the construction works with respect to the basic requirements for construction works. This is a major change as affixing of CE marking under the provisions of the existing Construction Products Directive (CPD) is currently voluntary in the UK. For those already CE marking under the CPD the transition should be straightforward. This publication is intended as a guide to the implications of CE marking under the CPR for manufacturers, importers, distributors, specifiers, certification and test bodies, and regulatory/enforcement authorities. The Regulation is directly applicable in UK law.

The CPR builds upon the CPD and aims to break down technical barriers to trade in construction products within the European Economic Area (EEA). To achieve this, the CPR provides for four main elements:

- a system of harmonised technical specifications
- an agreed system of conformity assessment for each product family
- a framework of notified bodies
- CE marking of products.

The CPR harmonises the methods of assessment and test, the means of declaration of product performance and the system of conformity assessment of construction products, but NOT national building regulations. The choice of required values for the particular intended use is left to the regulators and public / private sector procurers at the national level. However, such required values must be expressed in a consistent manner (technical language) as used in the harmonised technical specifications.

Whilst every care has been taken in the production of this brochure, International Timber cannot be held responsible for any errors or omissions. For technical reasons connected with colour reproduction and as wood is a natural material and varies in shade, the colours shown may vary slightly from the actual product. This brochure does not form part of a contract of sale.

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All of our sites hold full chain of custody for trade in certified products.



## MEASUREMENTS USED IN THIS BOOK

International Timber sources products from across the world, therefore some measurements in this book will be in shown in Metric and some in Imperial, dependant on the country of origin.





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