



2019.

PLYWOOD / OSB / MDF / HDF / HARDBOARD / CHIPBOARD / BLOCKBOARD /
TIMBER PANELS / DOOR BLANKS / FLEXIBLE PANELS / DECORATIVE PANELS /
FIRE RETARDANT PANELS / BUILDING BOARDS / PANEL PROCESSING

An extensive range of panel products

We procure goods from sustainable forests around the world with an objective to promote the use of fully certified and fit for purpose products.

About Us

Hanson Plywood Ltd offer a service tailored to the individual requirements of a varied, diverse and ever-growing customer base. Our clientele range from general construction companies to high quality furniture manufacturers and all the way back to architects working on their initial specification.

We procure goods from sustainable forests around the world with an objective to promote the use of fully certified and fit for purpose products.

Our company ethos is to strive, to advise and assist at all levels to ensure the technical requirements of all industries can be met.

Quality

Continual investment in our head office and warehouse facility ensures that quality of product and the best service will be guaranteed for many years to come.

The company currently operates using a quality management system certified to the latest ISO 9001 standard. This enables us to consistently challenge ourselves to evolve, improve and adapt our business to meet the demands and requirements of our customers.

We are also able to offer add-on services such as cutting, machining, laminating and veneering. By working closely with the market leaders within these specialist industries, we can offer the best available product and service.

Environment

We are members of the Timber Trade Federation (TTF) and as such, we are signatories to the Responsible Purchasing Policy. The policy has provided a strong foundation for our robust Due Diligence System, which allows us to ensure that all products are at negligible risk of originating from illegal sources under the EU Timber Regulation (EUTR).

We are compliant with both FSC® and PEFC™ Chain of Custody schemes and are closely involved with Indonesian companies exporting FLEGT licensed goods to the EU. Our implementation of an Environmental Management System that meets the requirements of ISO 14001 enables us to reduce and mitigate risks of any potential adverse impacts to the environment that can be caused by the operation of our business.

Involvement in the TTF's Forests Forever Board means that Hanson Plywood are at the forefront of environmental issues and are proactive in promoting sustainable sourcing throughout the UK timber industry.

Our aim has and always will be to create a path of sustainability, through the development of a balance between the economic, environmental and social aspects of our business.

Using BisTrack™ business management software and supporting technologies, we have never had greater control and transparency throughout our supply chain.

Staff

Investment in the latest technology helps us to deliver the goods you require on time, within budget and the correct specification for the job.

The sales team has a wealth of experience ensuring that the products we supply are the products you require. Our accounts, administration, transport and warehousing departments work seamlessly in support.





Using Our Guide

This guide is intended to be a concise and easily usable reference document for buying and specification purposes. It is an illustration of the main product lines and items of stock available from our Halifax base.

Our complete range of products is vast and continually being expanded. If there is anything you require that is not listed in our catalogue, please contact our sales team who will be able to assist you with your specific panel requirements.

Prices listed are not our quoted selling rates, they are intended as an indication of the prices per sheet for the various products based on pack quantities.

Our experienced sales team are on hand to advise in greater detail on product specifications, suitability for purpose, technical enquiries and competitive pricing.



Applicable Standards

Look out for our applicable standards on each product category page. This provides a concise list of key standards relevant to the range of products in that section.

Please contact our sales team for more information.

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Useful Information

Product Utilisation and Specification Guidance

The company has carefully considered information and publications available from recognised industry sources to produce the concise detailing which we now present in The Plywood Specifier's Guide:
www.theplywoodspecifiersguide.co.uk

This interactive guide in conjunction with the Quick Reference Guides throughout this document and on our website, all aim to simplify the specification of plywood and other wood-based panel products.

Hanson Plywood Ltd also recommend that customers refer to the Panel Guide as a fully comprehensive and detailed document which covers all wood based panel products.

The fourth edition was updated in 2015 to reflect changes under the Construction Products Regulation. A copy of this document is available to download via our website:
www.hanson-plywood.co.uk

EU Timber Regulation

Companies that import wood products from outside of the EU have a responsibility for ensuring their legality under the EU Timber Regulation (EUTR) No 995/2010.

Hanson Plywood Ltd are fully committed to this legislation and a robust Due Diligence System is in place to best ensure that we only source products from legal and sustainable sources.

This system is audited annually by both the Timber Trade Federation (TTF) and Soil Association to guarantee that our risk assessment methods and processes remain up-to-date and effective.

As an 'Operator', all purchases from outside of the EU are subjected to a thorough risk assessment process. If the risk of the supply chain containing illegal timber is not negligible, we do not purchase those goods. As a 'Trader', records of purchases including origin, timber species and country of harvest are requested from supplier as part of our standard purchasing approval process.

Hanson Plywood's Due Diligence System uses the Timber Trade Federation's Responsible Purchasing Policy as its foundation. As members of the TTF we have had in place a Due Diligence System since 2007. It has since been developed into a framework to assist with EUTR compliance, enabling us to ensure that all of our products are sourced from legal and sustainable forests.



Construction Products Regulation

The Construction Products Regulation (CPR) has been in force since 1st July 2013.

From this date, all wood-based products covered by a harmonised European Standard will be required to declare their performance characteristics via CE marking in order to be placed on the UK and EU construction products markets.

In the case of wood-based panel products, 'BS EN 13986:2004 wood-based panels for use in construction' refers.

To reflect the new CPR, section 7 of UK Building Regulations has also been amended to adopt CE marking as the primary route to demonstrate that products are fit for purpose in UK construction.

Products within the scope of the CPR can be identified via marks on the products and/or the delivery notes. Full CE marking information along with Declarations of Performance are available on request from our sales team.

Under the Construction Products Regulation, we request and store Declarations of Performance on all stocked products.

Our staff are trained and knowledgeable about the regulation and can assist with all queries relating to product performance.

RIBA Product Selector/NBS Plus



Working with the Royal Institute of British Architects, our products are now available for architects and specifiers online on the RIBA Product Selector website (www.ribaproductselector.com).

RIBA Product Selector allows users to search for suitable and appropriate products based on the type of job or project to be carried out. To this end, we have a range of products satisfying the criteria for multiple categories.

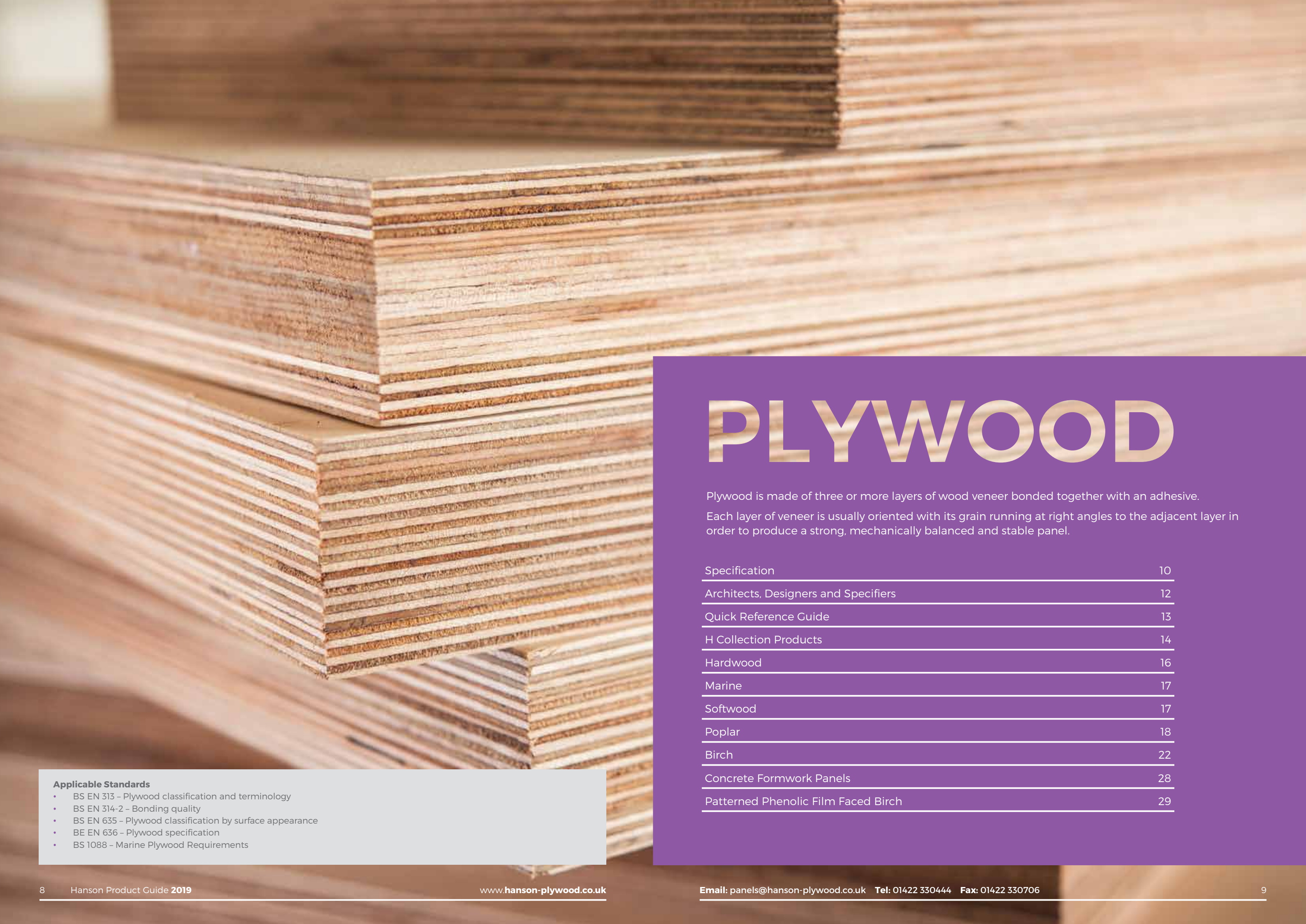
Our products can also be designated on architectural drawings and building specifications through RIBA's NBS Plus software. Since products are already authored by RIBA, they can therefore be confidently specified at the beginning of the design process.

Accompanying our involvement with RIBA are dedicated Product Data Sheets for the products listed. These are also available to download from our website:
www.hanson-plywood.co.uk

Connect with us on social media



Just search 'Hanson Plywood' or look at the links on our website at:
www.hanson-plywood.co.uk



PLYWOOD

Plywood is made of three or more layers of wood veneer bonded together with an adhesive. Each layer of veneer is usually oriented with its grain running at right angles to the adjacent layer in order to produce a strong, mechanically balanced and stable panel.

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Applicable Standards

- BS EN 313 – Plywood classification and terminology
- BS EN 314-2 – Bonding quality
- BS EN 635 – Plywood classification by surface appearance
- BE EN 636 – Plywood specification
- BS 1088 – Marine Plywood Requirements

Specification of Plywood and Performance Criteria

Plywood manufactured for construction purposes is specified in accordance with EN 636. Products claiming compliance with this standard must also carry the specified markings, which includes a reference to EN 636.

EN 636:2012+A1:2015: Plywood Specifications
The latest edition of EN 636 retains the designations -1, -2 and -3 from the previous three part standard to represent dry, humid or exterior conditions of use.
These conditions are defined according to the parameters laid down for Use Classes in BS EN 335 'Durability of wood and wood-based products - Use classes: definitions applicable to solid wood products'.
Dry Conditions: For interior applications with no risk of wetting, defined in Use Class 1, with a moisture content corresponding to environmental conditions of 20°C and 65% relative humidity.

Humid Conditions: For use in protected exterior applications as defined in Use Class 2, with a moisture content corresponding to environmental conditions of 20°C and 85% relative humidity.
Exterior Conditions: For use in external applications, as defined in Use Class 3, where the moisture content will frequently be above 20%.
EN 636 also introduces bending strength and modulus classes based on bending tests to EN 310. These designate strength (F) and modulus (E) parallel and perpendicular to the face grain. An example designation would therefore be F10/20, E30/40.
EN 636 gives minimum values for each of the classes and EN 12369-2 gives corresponding characteristic values for use with each of these classes.
Plywood for use in construction must demonstrate compliance with the Construction Products Regulation (CPR). The most straightforward route to achieving this is by demonstrating compliance with EN 13986, and therefore must carry a CE mark.

The properties required of panels in EN 636 are shown in the table below:

Property		Standard	Plywood Type to EN 636		
			Dry	Humid	Exterior
Dimensional Tolerance		EN 315	✓	✓	✓
Bonding Quality		EN 314-2	Bonding Class 1	Bonding Class 2	Bonding Class 3
Mechanical Properties	Structural -characteristic values -bending strength	EN 636/EN 310/EN 12369-1 or EN 789/EN 1058	✓	✓	✓
	Non-structural -bending strength	EN 310	✓	✓	✓
Formaldehyde Emission*	Construction	EN 13986	E1	E1	E1
	Non-construction	EN 636/DD ENV 717-1/ EN 717-2	E1	E1	E1

*All Timber Trade Federation (TTF) members adhering to the TTF Code of Conduct - Panel Products Code of Practice must trade in products that meet E1 Classification. Formaldehyde emissions higher than E1 are not acceptable.

Advice on Specification and Treatment of Exterior Plywood
Exterior service, in building terms, covers a wide range of situations from full and severe exposure (signboards, seafront fascias) to sheltered and protected (soffits under porches and balconies). There are also applications other than in buildings that impose similar stresses on plywood in service.

- Two different exterior situations where plywood has a long history of successful use can be recognised:
- Exterior but not protected - where direct wetting of surfaces and edges is unlikely once construction is completed. Applications such as this (sheathing, soffits, roof decking, etc.) are designated as 'Use Class 2' according to BS EN 335:2013 ('Durability of wood and wood-based products - Use classes: definitions, application to solid wood and wood-based products'). In Eurocode 5 (EN 1995-1-1) and structural design terminology, these applications would be more closely aligned to the in-service, environmental conditions expected of Service Class 2. Applications such as these would require plywood that is suitable for Humid Conditions that meets EN 636-2.
 - Full exposure to weather (characterised by the possibility of high moisture content in service, driving rain and full exposure to sunlight). Examples include cladding, fascias, exterior doors and more. These situations fall under Use Class 3 under BS EN 335:2013, and in most cases would meet the environmental conditions of Service Class 3 under Eurocode 5. Plywood that meets the requirements of EN 636-3 for use in Exterior Conditions is appropriate for these uses.

- The factors of exterior exposure that can be significant to the performance of plywood are:
- Rain (particularly wind-driven) and where drying-out is slow.
 - Fluctuations in relative humidity.
 - Sunlight, particularly on south-facing aspects and dark coloured surfaces.
 - Fungal organisms.
 - Frost, insect attack and severe chemical pollution may sometimes also have an adverse effect on the service life of plywood.

Rain, either wind-driven or running down the facade of a building, can be rapidly absorbed by unprotected end grain of timber.

Plywood contains much end grain around the edges which must be protected if satisfactory performance is to be achieved. If the edges are not protected, water can enter and give rise to stresses which can eventually cause splitting of the wood and separation of the veneers around the edges even of 'exterior' bonded panels. In the shorter term, it often gives rise to unsightly staining behind a finish and can lead to mould growth, blistering of paint and ultimately decay.

It is, therefore, imperative that the edges of all panels are protected if satisfactory performance can be achieved.
Water usually penetrates much more rapidly than is lost. This is particularly the case if its entry is localised, such as through an area of improperly applied edge sealant. Under these conditions, water can be trapped for long periods behind fairly impermeable finishes, putting considerable demands on the durability or preservation treatment at the plywood and the adhesion of the finish.

Durability of Glue Bonds
Plywoods are produced with glue bonds which range from those suitable for interior uses only, to those which will withstand full exposure for long periods.

BS EN 314-2 Plywood bonding quality. Requirements define three classes on the basis of test requirements that the plywood bond must meet:

- Class 1:** Dry conditions (interior, dry uses).
Class 2: Humid conditions (protected external service, 'damp' internal uses and limited exposure during construction).
Class 3: Exterior conditions (exposure to weather over substantial periods or continuous exposure to relative high humidity).

Full Exterior Bonding
Class 3 bonds are a requirement for plywood to comply with BS EN 636-3. The bonds are largely comparable with what were known as WBP - weather and boil-proof bonds (to BS 6566 Part 8, now withdrawn), except that the requirement that effectively they be made with phenolic-type glues has now been dropped. To qualify, the bond must now meet the stipulated test requirements.



Architects, Designers and Specifiers

We offer a full and comprehensive guidance service to ensure the correct products are used for all applications.

- Products are:
- ✓ Manufactured to the latest industry standards and are compliant with the Construction Products Regulation (CPR).
 - ✓ CE marked and carry a Declaration of Performance (DOP) in accordance with EN 13986.
 - ✓ Risk assessed under EUTR (European Union Timber Regulation) requirements to ensure legality of timber.



Our panels are listed on the RIBA Product Selector and NBS Plus as further aids to ensuring products can be specified using reliable sources of technical information.

Quick Reference Guide - Plywood

Applicable Products	Typical Applications	Use Class (see definitions)	Applicable Standards	Minimum Requirement
Performance Plywood® Birch Plywood SP101 Plywood® Lightweight Plywood Far Eastern Type Plywood (Malaysian/Indonesian/Chinese)	Internal applications with minimal exposure to moisture. All internal joinery, flooring underlay, pipe boxing, doors, hatches, weight saving applications etc.	1 - Dry	EN 13986 - Wood-based panels for use in construction	CE marked
			EN 636:2012+A1:2015 Plywood-specifications	Class 1
			EN 314-2 - Plywood bond quality	Class 1
			EN 310 - Bending test	Refer to test data
Performance Plywood® Birch Plywood SP101 Plywood® Far Eastern Type Plywood (Malaysian/Indonesian/Chinese) Softwood Constructional Plywood (Finnish Spruce, Elliotts Pine, etc)	Internal joinery with temporary exposure during construction. Floors, flooring underlay, walls, roof decking, linings, hoardings, protection etc.	2 - Humid	EN 13986 - Wood-based panels for use in construction	CE marked
			EN 636:2012+A1:2015 Plywood-specifications.	Class 2
			EN 314-2 - Plywood bond quality	Class 2
			EN 335 - Durability of wood and wood-based panel products	Class 2**
			EN 310 - Bending test	Refer to test data
Performance Plywood® Marine Plywood BS1088 (Independently Verified)	All internal and external joinery which may be submitted to long term exposure to wetting/ weather. Construction - Floors, walls, roof decking, soffits, linings, signs etc.	3 - Exterior	EN 13986 - Wood-based panels for use in construction	CE marked
			EN 636:2012+A1:2015 Plywood-specifications.	Class 3
			EN 314-2 Plywood bond quality	Class 3
			EN 335 - Durability of wood and wood-based panel products	Class 3**
			EN 310 - Bending test	Refer to test data

Plywood for permanent use in construction must demonstrate compliance with the Construction Products Regulation (CPR) via the use of CE Marking.

*This table is designed for guidance only and all specific performance requirements for particular projects should be cross checked in detail.
**Where durability cannot be confirmed, further treatment may be required to achieve satisfactory performance in these areas.
Please note, this table covers plywood products only.
OSB, MDF and chipboard will be the best choice for certain applications.



All products are reviewed by a robust Due Diligence System in line with EUTR (European Union Timber Regulation) requirements - FSC® and PEFC™ certified material available on request



Hanson Plywood Limited
Drakes Industrial Estate, Shay Lane, Ovenden, Halifax, HX3 6RL
Tel: 01422 330444 Fax: 01422 330706 Email: panels@hanson-plywood.co.uk
www.hanson-plywood.co.uk



H PERFORMANCE Plywood®

The logical and reliable alternative to general commercial **Marine Plywood** offering full classification and performance in all conditions, **EN 636 Use Class 3, EN 314-2 Class 3 Exterior Glue.** (Please refer to our specification page 10 for further information on glue bond and service classes within the harmonised standard EN 13896).

Applications - Construction, Roofing, Flooring, Wall Panelling, Joinery, Portable Buildings, Vehicle Body Building and all applications which demand full compliance with exterior classification standards.

H BIRCH Plywood

A range of high grade birch plywood carrying very specific technical information including loading/bending strength data.

Thickness range 3mm up to 50mm.

Special thin panel range (0.4mm-6.0mm).

Applications - Construction, Roofing, Flooring, Wall Panelling, Shop and Bar Fitting, Furniture, Pattern Making, Vehicle Body Building, Laminating, Veneering, Musical Instruments, Laser Cutting, Toy and Model Making, Engineering.

H SP101 Flooring Plywood®

Manufactured with specific attention to accurate dimensional tolerances and surface quality. **Fully compliant with BS 8203:2017- Plywood Annex A.**

Applications - Flooring Underlay, Laminating, Veneering, Joinery, Furniture, Shop and Bar Fitting.

To find out more you can visit **SP101.CO.UK**




H POPLAR PLYWOOD PANGUANETA

Poplar/Illomba construction giving significant weight saving and very high quality faces.

Fire Retardant (FR) and No Added Formaldehyde (NAF) variants of this product are also available.

Applications - Caravans, Motorhomes, Leisure Vehicles, Boat/Yacht Building, Laminating, Veneering, Furniture, Shop and Bar Fitting, Exhibitions, Scenery and Staging, General Joinery.

Hardwood Plywood




PERFORMANCE
Plywood®

EN 636-3 EN 314-2 Class 3 Bond E1 Glue CE marked. FSC® Certified. FLEGT licensed

Alternative to general commercial marine plywood offering full classification. CE marked for performance in all conditions.

Size	3.6mm	5.5mm	9mm	12mm	15mm	18mm	25mm
2440 x 1220mm	-	£16.94	£25.67	£33.15	£41.44	£48.27	£69.70
3050 x 1220mm	£18.64	£24.15	£36.54	£47.80	-	£78.54	-
3050 x 1525mm	-	£30.19	£45.68	£59.77	-	£90.14	-

Uses
Construction, portable buildings, roofing and flooring, joinery, vehicle body building



SP101
Flooring Plywood®

EN 636-2 EN 314-2 Class 3 Bond E1 CE marked. FSC® stock available. FLEGT licensed

Specifically manufactured with accurate dimensional tolerances and surface quality. Superior medium to lightweight plywood suitable for a variety of applications which demand a specific fit for purpose panel.

Size	2.7mm	3.6mm	5.5mm	9mm	12mm	18mm	25mm
1220 x 610mm	-	£3.94	£5.34	-	-	-	-
2440 x 1220mm	£9.92	£13.86	£20.33	£28.64	£37.75	£53.46	£79.88

Uses
Flooring, laminating, veneering, joinery, furniture

Malaysian Plywood

EN 636-2 EN 314-2 Class 3 Bond E1 Glue CE marked. PEFC™ and FSC® Certified stock available

A reliable general purpose plywood.

Size	3.6mm	5.5mm	9mm	12mm	15mm	18mm	22mm	25mm
2440 x 1220mm	£13.80	£18.90	£25.51	£32.51	£40.53	£47.88	£59.15	£67.06

Uses
Joinery, shopfitting, portable buildings, construction, vehicle body building, roofing, flooring, furniture

FSC® Certified Hardwood Plywood

EN 636-2 EN 314-2 Class 2 Bond E1 Glue CE marked

For end uses where the materials used must be from certified and sustainably managed forests. Customers are advised to check suitability prior to purchasing this product.

Size	3.6mm	5.5mm	9mm	12mm	15mm	18mm	25mm
2440 x 1220mm	£10.98	£14.34	£19.06	£24.16	£30.71	£34.99	£49.32

Uses
Joinery, shopfitting, portable buildings, construction, furniture

Chinese Hardwood Plywood

EN 636-2 EN 314-2 Class 2 Bond E1 Glue CE marked

General purpose panels. Customers are advised to check suitability prior to purchasing this product.

Size	3.6mm	5.5mm	9mm	12mm	15mm	18mm	25mm
2440 x 1220mm	£10.14	£13.14	£17.62	£22.34	£28.74	£32.38	£45.60
3050 x 1220mm	£21.90	£23.94	£31.94	£47.28	£61.37	£65.10	£100.73
3050 x 1525mm	£27.23	£29.88	£38.82	£58.32	£76.72	£80.04	£126.00

Uses
Joinery, shopfitting, portable buildings, construction, furniture

Marine Plywood - BS1088 Lloyds Approved

Okoume Marine Plywood

BS 1088:2003 EN 314-2 Class 3 Bond E1 Glue CE marked

Okoume throughout marine grade plywood. Class 3 exterior glue - manufactured in accordance with BS 1088:2003 and guaranteed for 20 years from manufacture.

Size	4mm	6mm	9mm	12mm	18mm	25mm
2440 x 1220mm	£32.78	£45.32	£52.76	£65.52	£91.32	£130.10

Uses
General joinery, boat building, panels in exposed areas

Softwood Plywood

Softwood Plywood

EN 636-2 EN 314-2 Class 3 Bond E1 Glue CE marked. FSC® or PEFC™ Certified

Various species of softwood plywoods for various needs.

Type	Size	9mm	12mm	15mm	18mm	24mm
FSC  Hanson Elliottis Pine Plywood	2440 x 1220mm	£17.42	£22.75	£27.52	£32.44	£43.25
FSC BBA Elliottis	2440 x 1220mm	£17.95	£23.45	£28.37	£33.44	£44.59
FSC II/III Hanson Softwood Pine	2440 x 1220mm	-	£26.98	-	£38.94	£53.11
PEFC Finnish Spruce	2440 x 1220mm	-	£31.40	-	£40.95	£54.28

Tongued and Grooved Structural Softwood Plywood

EN 636-2 EN 314-2 Class 3 Bond E1 Glue CE marked. FSC® Certified

Various species of softwood plywoods for various needs.

Type	Size	18mm	21mm
T and G 4 Edges	2440 x 600mm	£19.80	£24.53
T and G 2 Long Edges	2440 x 1200mm	£35.95	-

Uses
Construction, packaging, roofing, flooring, hoarding, formwork



PEFC™ and FSC® Certified

Combines significant weight saving with high quality faces. Extremely accurate thickness and dimensional tolerances.

Poplar Throughout Plywood

EN 636-1 EN 314-2 Class 1 Bond CE marked

Thickness	3mm	4mm	6mm	9mm	12mm	15mm	18mm	25mm	30mm
Grade	AB/AB	AB/AB	AB/AB	AB/BB	B/BB	B/BB	B/BB	B/BB	B/BB
2500 x 1220mm	£15.95	£20.95	£27.95	£27.34	£34.80	£38.50	£44.25	£61.45	£80.00
3120 x 1220mm	-	-	-	-	£49.30	£61.62	£67.95	£91.10	-
3120 x 1530mm	-	-	-	-	£61.80	£77.25	£85.20	£114.23	-

Uses

Veneering, laminating, joinery, shopfitting, furniture, exhibitions, stage sets, laser cutting, model making, automotive applications

3120 x 1870mm and 3120 x 2120mm also available. **Please enquire with our sales team for details.**

Ilomba Twin Plywood

EN 636-1 EN 314-2 Class 1 Bond CE marked

Thickness	3mm	6mm	9mm	12mm	15mm	18mm	25mm	30mm	40mm
Grade	B/BB	B/BB	B/BB	B/BB	B/BB	B/BB	B/BB	B/BB	B/BB
2500 x 1220mm	£20.70	£22.60	£28.70	£35.85	£41.50	£49.80	£67.20	£85.75	£120.00

Birch Twin Plywood

EN 636-1 EN 314-2 Class 1 Bond CE marked

Thickness	3mm	6mm	9mm	12mm	15mm	18mm	25mm	30mm	40mm
Grade	B/BB	B/BB	B/BB	B/BB	B/BB	B/BB	B/BB	B/BB	B/BB
2500 x 1220mm	POA	POA	POA	POA	POA	POA	POA	POA	POA

Specialty Poplar/Ilomba Panels

We are also able to offer a range of specialty Poplar Plywood panels that present a variety of solutions for many applications.

These products include:

- **Pangua** - Prime - Plywood primed on both sides with acrylic water based paint which eliminates a step in the finishing process.
- **Pangua** - Lam - Plywood coated with CPL or HPL with thicknesses from 0.3mm to 0.9mm.
- **Pangua** - Fire - Plywood impregnated and coated with reactive coatings to meet the needs of the Euro Class B s2Do according EN 13501-1.

Please check availability with our sales team.



PANGUANETA

Plywood For Life



Plywood made in Panguaneta

Renewable, ecological, sound, convenient, high performance and hi-tech.

The best choice for a wide range of industrial applications.

RANGE

Classic

VERSATILE AND FUNCTIONAL

A collection of products to satisfy all the demands of general use. A quality that guarantees the adaptation to all the solutions in the fields of joinery, retailers and construction.

Tutto-Pioppo PEFC certified

LIGHT WEIGHT ITALIAN POPLAR PLYWOOD
EN636 EN314-2 CLASS1 BOND CE MARKED

Poplar plywood totally made of poplar veneers. Outer faces with longitudinal grain. Cross grain or unidirectional grain available on request.

RANGE

Superior

RELIABLE AND STABLE

A range devoted to particular purposes and to the most innovative makings. It is represented by well-selected products, high characterization and extremely careful quality control.

Ilomba-Superior

ILOMBA FACED PLYWOOD
EN636 EN314-2 BOND CE MARKED

Plywood panel made of outer faces peeled exotic Ilomba with poplar inner-layers. Outer faces with longitudinal grain. Panguaneta exotic plywood meets the programs for forest sustainable development.

RANGE

Eco

CERTIFIED AND TRACEABLE

This range meets the requirements of the sustainable industry thanks to the selection of environment-friendly raw materials, and it represents a very valuable contribution to the eco-friendly manufacturing.

PureGlue Plywood

AVAILABLE FOR MOST OF OUR RANGES

FSC Certified - Made with no added formaldehyde, through an innovative non-toxic gluing system, developed to reduce formaldehyde emissions and to contribute to improve air quality within schools, houses, industrial and recreational vehicles.



RANGE

Project


TECHNOLOGICAL AND REFINED

This is an expert set, with high technology panels, realized to develop new functionalities and higher performances. They are used in the processing and creative industry and in urban furniture.

Pangua-Lam

LIGHT WEIGHT ITALIAN POPLAR PLYWOOD
EN636 EN314-2 CLASS1 BOND CE MARKED

Plywood coated with CPL or HPL laminate with variable thickness from 0.2 to 0.9 mm. Finish particularly suitable for structures where load and bending resistance are required.

<div> <div>  </div> <div> <div>EN 636-1 EN 314-2 Class 1 Bond E1 Glue</div> </div> </div>			
Thickness	3mm	4mm	6mm
Grade	-	-	-
2500 x 1220mm	£19.95	£24.95	£31.95
Uses Toy and model making, arts and crafts, printing, laser cutting			

<div> <div> <div>Pure Glue Eco Poplar Throughout Plywood</div> <div>EN 636-1 EN 314-2 Class 1 Bond CARB Phase II - NAF (No Added Formaldehyde) Certified</div> </div> <div> All the attributes of Poplar Throughout Plywood with the added benefit of a scientifically formulated and eco-friendly No Added Formaldehyde (NAF) certified resin. Available to forward order. </div> </div>									
Thickness	3mm	6mm	9mm	12mm	15mm	18mm	25mm	30mm	40mm
Grade	B/BB	B/BB	B/BB	B/BB	B/BB	B/BB	B/BB	B/BB	B/BB
2500 x 1220mm	£16.55	£28.50	£31.58	£43.45	£49.72	£54.96	£74.88	£94.70	£130.56
Uses Furniture, display, automotive, boat building, public buildings									

<div> <div> <div>Pure Glue Eco Poplar Throughout Plywood: Large Press Sheets</div> <div>EN 636-1 EN 314-2 Class 1 Bond CARB Phase II - NAF (No Added Formaldehyde) Certified</div> </div> <div> All the attributes of Poplar Throughout Plywood with the added benefit of a scientifically formulated and eco-friendly No Added Formaldehyde (NAF) certified resin. </div> </div>		
Thickness	12mm	18mm
Grade	B/BB	B/BB
3100 x 1530mm	£81.95	£109.95
Uses Furniture, display, automotive, boat building, public buildings		

<div> <div> <div>Pangua-Fire: Fire Retardant Poplar Plywood</div> <div>EN13501-1 Euro Class B</div> </div> </div>		
Thickness	12mm	18mm
Grade	B/BB	B/BB
2500 x 1220mm	£58.95	£83.95
Uses Public buildings, construction, offices, schools, hotels		

PANGUANETA
PLYWOOD
100%
SELECTED
CERTIFIED
LEGAL

Plywood made in Panguaneta
 Renewable, ecological, sound, convenient, high performance and hi-tech. The best choice for a wide range of industrial applications.

- Classic

VERSATILE AND FUNCTIONAL

Superior

RELIABLE AND STABLE

Eco

CERTIFIED AND TRACEABLE

Project

TECHNOLOGICAL AND REFINED

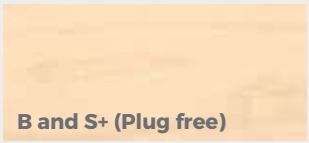




PANGUANETA
 Plywood For Life

www.panguaneta.com



Hanson Plywood Ltd are birch specialists and carry some of the largest and most varied stocks available.

Birch Grades and Properties

			
B and S+ (Plug free)	BB	CP	C
Solid veneers with no open defects or plug repairs. Suitable for high quality paint/stain or lacquer finish where the end product is open to display. Please be aware that S+ does allow more discolouration.	Mainly solid face veneers with some small repaired veneer splits and pin knots. Larger open knots are repaired using wooden plugs. Some solid light and dark knots are admissible. Suitable for applications where a solid surface is needed but the visual aspects are not so critical.	Generally as BB but with the possibility of more repairs, open defects and discolouration. This grade can also arise from the downgrade of higher quality grades. Suitable for applications where a strong core is needed but the accepted face quality can be more varied.	Usually un-sanded and allows a larger range of open defects. Suitable for applications where a strong solid core is needed but face quality does not matter.

When a product shows a single veneer grade, this means that the panel is the same grade on the face and the back. When two grades are displayed (e.g. B/BB) then this means that the first grade is the face grade and the second is the back.

Quick Reference Guide - Birch Plywood

Typical values collated from Russian, Polish and Finnish production standards.								
Thickness	3mm	4mm	5mm	6mm	8mm	9mm	12mm	15mm
Typical grades	B/BB, S+/BB, BB/BB, BB/CP, CP/CP, C/C							
Density (kg/m³)	700kg/m³							
Weight/8x4 (Kg)	6.2	8.3	10.4	12.5	16.6	18.7	25	31.2
Number of Plies	3	3	4/5	5	6/7	7	9	11
Gluing Options	E1 Int	E1 Int/Ext	E1 Int	E1 Int/Ext	E1 Int	E1 Int/Ext	E1 Int/Ext	E1 Int/Ext
Thickness tolerance for sanded panels (mm)	+0.3/-0.4	+0.3/-0.5	+0.4/-0.5	+0.4/-0.5	+1/-0.5	+0.4/-0.6	+0.5/-0.7	+0.6/-0.8

Thickness	18mm	21mm	24mm	27mm	30mm	35mm	40mm	50mm
Typical grades	B/BB, S+/BB, BB/BB, BB/CP, CP/CP, C/C							
Density (kg/m³)	700kg/m³							
Weight/8x4 (Kg)	37.5	43.7	50	56.2	62.5	72.9	83.5	105
Number of Plies	13	15	17	19	21	25	29	36
Gluing Options	E1 Int/Ext	E1 Int/Ext	E1 Int/Ext	E1 Ext	E1 Ext	E1 Ext	E1 Ext	E1 Ext
Thickness tolerance for sanded panels (mm)	+0.7/-0.9	+0.8/-1.0	+0.9/-1.1	+1.0/-1.2	+1.1/-1.3	+1.05/- 1.45	+1.2/-1.2	+ 1.5/- 1.9

*For further detailed information such as structural detail and help with specifications, please contact our technical team.



Sustainability is always a priority

multiply* Quality Throughout



Specialists in **high quality Russian Birch Plywood**. We offer S+/BB, BB, BB/CP,CP,C Phenol film faced panels in both **mesh/smooth** and **smooth** two sides. Sizes include 2440x1220, 2500x1250, 1220x2440, 1250x2500, 1525x1525 & 1525x3050.

Multiply offers **quality throughout** in both service and products “**bringing the UK closer to the world’s largest resources of Birch Plywood**”

Contact Multiply Birch Plywood Company



The mark of responsible forestry
FSC® C007915



EN 636-2 EN 314-2 Class 3 Bond E1 Glue CE marked. FSC® and PEFC™ Certified

Thickness	4mm			6/6.5mm			
Grade	B/BB	BB/BB	BB/CP	B/BB	BB/BB	BB/CP	C/C
2440 x 1220mm	£27.62	£18.53	£17.43	£29.67	£20.74	£20.16	£15.54
1220 x 2440mm	-	£19.90	£17.43	-	£20.74	-	-
1525 x 3050mm	-	£27.30	-	-	£34.13	-	-

Thickness	9mm				12mm				
Grade	B/BB	BB/BB	BB/CP	C/C	B/BB	BB/BB	BB/CP	CP/CP	C/C
2440 x 1220mm	£33.65	£27.35	£26.20	£21.16	£41.95	£31.92	£30.82	£29.66	£25.83
1220 x 2440mm	-	£27.35	-	-	-	£31.92	-	-	-
1220 x 3050mm	-	£37.64	£33.92	-	-	£45.47	-	-	-
1525 x 3050mm	-	£42.74	£38.90	-	-	£51.45	-	-	-

Thickness	15mm					18mm					21mm		
Grade	B/BB	BB/BB	BB/CP	CP/CP	C/C	B/BB	BB/BB	BB/CP	CP/CP	C/C	BB/BB	BB/CP	C/C
2440 x 1220mm	£49.61	£37.49	£35.39	£33.81	£30.19	£57.33	£43.84	£41.63	£39.59	£34.70	£51.66	£49.25	£41.75
1220 x 2440mm	-	-	£35.39	£33.81	-	-	£43.84	-	-	-	-	-	-
1220 x 3050mm	-	£54.29	-	-	-	-	£63.79	-	-	-	-	-	-
1525 x 3050mm	-	£60.38	-	-	-	-	£72.35	-	-	-	£83.21	-	-

Uses

Furniture components, packaging, shopfitting and display cabinets, vehicle body building

Thickness	24mm					27mm		30mm		35mm	40mm	50mm
Grade	B/BB	BB/BB	BB/CP	CP/CP	C/C	BB/BB	BB/CP	BB/BB	BB/CP	BB/BB	BB/BB	BB/BB
2440 x 1220mm	£77.02	£59.06	£56.28	£53.55	£47.71	£68.93	£66.36	-	£73.71	£103.85	£116.45	-
1220 x 2440mm	-	£59.06	-	£53.55	£47.71	-	-	-	£73.71	-	-	£178.50
1220 x 3050mm	-	£82.69	-	-	-	-	-	-	-	-	-	-
1525 x 3050mm	-	£93.77	-	-	-	-	-	£120.75	-	-	-	-
1525 x 1525mm	-	-	-	-	-	-	-	-	-	-	-	£136.50

Uses

Furniture components, packaging, shopfitting and display cabinets, vehicle body building

*Where B/BB grade is offered S+/BB may be available as an alternative.



Global Panel Products Ltd

Specialists in Birch Plywood and Wood based products



Standard Birch Grades

B/BB

S/BB

BB/BB

BB/CP

BB/C

C

Special

Film/Smooth

Film/Mesh

Sizes

2440mm x 1220mm / 2500mm x 1250mm – long & cross grain

2440mm x 1525mm / 2500mm x 1525mm

1525mm x 3050mm

1525mm x 1525mm

Cut sized facility also available.

Sizes

2440mm x 1220mm

2500mm x 1250mm

1525mm x 3050mm

available from:

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Products suitable
for a variety of
applications

BIRCH Plywood Interior Glued

EN 636-1 EN 314-2 Class 1 Bond E1 Glue CE marked. FSC® and PEFC™ Certified

Thickness	3mm			4mm			5mm		6mm			8mm	9mm	
Grade	B/BB	BB/BB	C/C	B/BB	BB/BB	C/C	B/BB	C/C	B/BB	BB/BB	C/C	C/C	B/BB	BB/BB
1525 x 1525mm	£14.28	£9.54	£6.30	£15.90	£11.10	£7.80	£18.60	£9.30	£19.26	£14.88	£11.10	£14.04	£23.10	£19.14

Thickness	12mm		15mm			18mm			24mm	
Grade	BB/BB	C/C	B/BB	BB/BB	C/C	B/BB	BB/BB	C/C	BB/BB	C/C
1220 x 2440mm	£29.93	-	-	£37.28	-	-	£44.68	-	-	-
1525 x 1270mm	£17.40	-	-	£21.06	-	-	£25.14	-	-	-
1525 x 1525mm	£23.10	£19.98	£37.76	£28.68	£24.60	£43.08	£34.38	£29.40	£48.24	£41.40
1525 x 1830mm	£34.32	-	-	£44.40	-	-	£49.86	-	-	-
1525 x 2440mm	£41.94	-	-	£54.60	-	-	£63.00	-	-	-
1830 x 1220mm	£29.70	-	-	£36.60	-	-	-	-	-	-
1830 x 1270mm	-	-	-	-	-	-	£41.40	-	-	-
2440 x 1220mm	-	-	-	£37.28	-	-	£44.68	-	-	-

Uses

Furniture components, packaging, shopfitting and display cabinets, laser cutting for the die industry, model making.

Lacquer Coated Latvian Birch Plywood

EN 636-1 EN314-2 Class 1 Bond E1 Glue CE marked

Thickness	12mm
1220 x 2440mm	£68.25

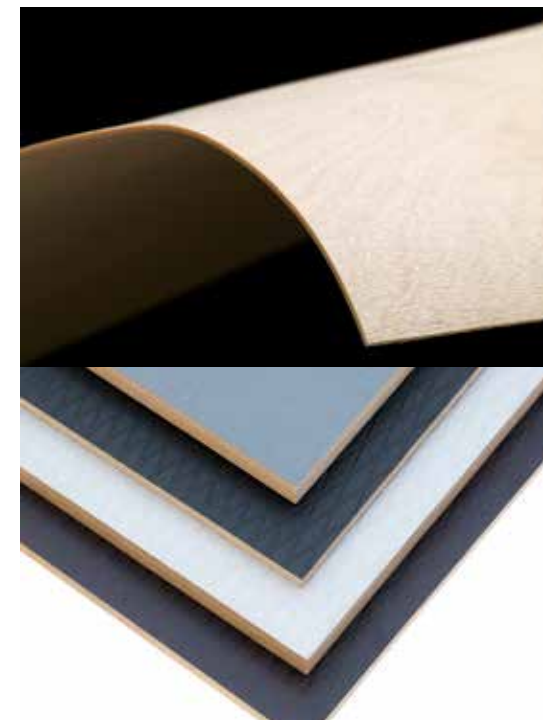
Fire Retardant Birch Plywood

Euroclass B - EN 636-2 EN 314-2 Class 3 Bond E1 Glue CE marked

Thickness	12mm	18mm
Grade	BB/BB	BB/BB
1220 x 2440mm	£53.85	£85.50



HIGH-QUALITY PLYWOOD FROM FINLAND



KoskiPly birch

Specialist thin (0.4 – 6.0mm) birch plywood for a multitude of industrial and craft applications.

KoskiPly laser

Specialist thin (0.4 – 6.0mm) birch plywood with interior glue suitable for laser cutting.

KoskiDiamond

Hard wearing boards with a tough diamond pattern for the flight case industry.

KoskiStandard

All-purpose uncoated Finnish Birch plywood for demanding decorative, furniture and structural applications.

KoskiCrown, KoskiCarat, KoskiRuby

Flooring panels with a decorative, slip resistant pattern (circular / small diamond / hexagonal) specially designed for the vehicle and cold storage industries.





Exterior Glue EN 636-2 EN 314-2 Class 3 Bond E1 Glue CE marked								
Thickness	0.4mm	0.8mm		1mm	1.5mm			2mm
Grade	AB/B	AB/B	BR	BR	AB/B	BR	Hanson Grade	BR
1525 x 1525mm	-	£34.65	£28.15	-	£32.55	£23.63	£20.48	-
1220 x 1220mm	£68.25	£22.61	£20.48	£22.47	-	£16.54	£13.13	£26.46
2400 x 1200mm	-	-	-	-	-	£42.00	-	-
1200 x 2400mm	-	-	-	-	-	£42.00	-	-
Uses Models, instruments, toys, furniture, shopfitting, engineering, pattern makers								

Interior Glue EN 636-1 EN 314-2 Class 1 Bond E1 Glue CE marked									
Thickness	0.4mm	0.8mm	1mm	1.5mm	2mm	3mm	4mm	5mm	6mm
Grade	BR	BR	BR	BR	BR	BR	BR	BR	BR
1220 x 1220mm	£78.75	£23.42	£26.15	£22.50	£28.77	£35.49	£45.15	£56.70	£68.25
Uses Models, instruments, toys, furniture, craft work, laser cutting									

C/D Finnish Birch Veneer	
Thickness	1.5mm
1600 x 1600mm	£2.52
1600 x 530mm	£0.84



Concrete Formwork Panels FSC® and PEFC™ Certified Reusable paper/film coated panels for use in forming concrete structures.				
Type	Size	6mm	12mm	18mm
Brown Phenolic Film Faced	2440 x 1220mm	-	£42.35	£60.00
MDO	2440 x 1220mm	-	-	£46.20
Chinese Film Faced	2440 x 1220mm	-	-	£31.50
Uses Formation of concrete structures				

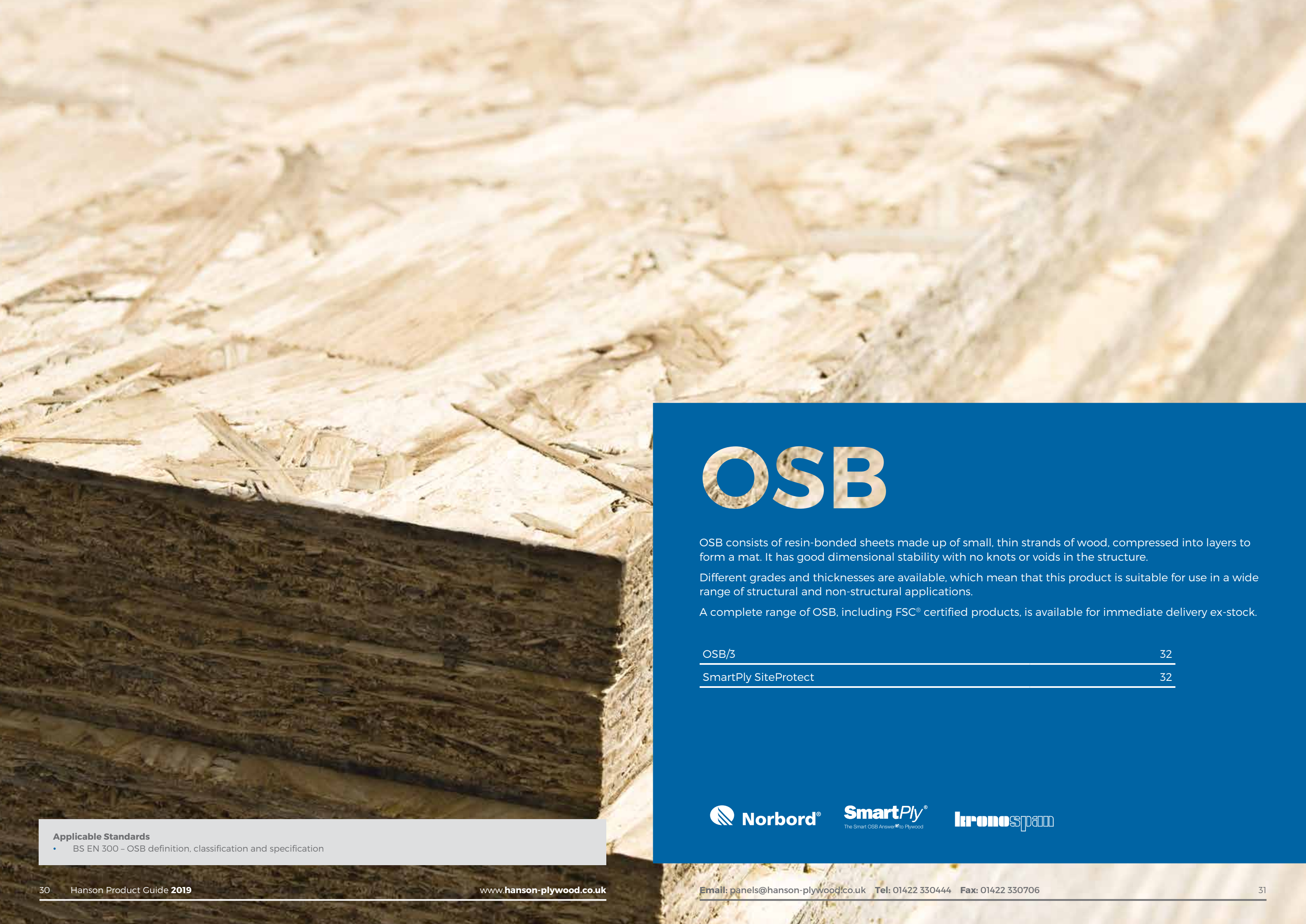
Dark Grey Hexa	
Thickness	9mm
1220 x 1830mm	£55.00

Patterned Phenolic Film Faced Birch Plywood FSC® and PEFC™ Certified High quality birch panels faced with a slip-resistant mesh/hexagon pattern.								
Type	Size	6.5mm	9mm	12mm	15mm	18mm	21mm	24mm
Brown Mesh/Smooth	2440 x 1220mm	-	£25.30	£40.65	£48.50	£56.27	-	£74.95
	2500 x 1220mm	-	-	-	-	£57.65	£65.60	-
	1525 x 3050mm	-	-	£89.10	-	£98.20	-	-
Brown Mesh/Smooth Twin	2440 x 1220mm	-	-	-	£38.50	£45.00	-	-
Black Hexa/Smooth	2500 x 1220mm	£33.45	£38.75	£42.30	-	£68.35	-	-
Brown Hexa/Smooth	2500 x 1220mm	-	-	£41.00	-	£65.10	-	-
Black Diamond/Smooth	2440 x 1220mm	-	£75.00	-	-	-	-	-
Uses Vehicle body building, stages, flight cases, horseboxes, platforms, walkways								

Koskifutura Polypropylene Faced Birch Throughout Plywood EN 636-2 EN 314-2 Class 3 Bond E1 Glue CE marked. PEFC™ Certified Sealed edge birch plywood with a polypropylene coated face, ideal for use in external furniture, toys and playground construction.		
Type	Size	12mm
Green	1220 x 2500mm	£79.50
*Other colours, thicknesses and sizes available to special order		

Melamine, Painting Film and Grey Phenol Birch Plywood EN 636-2 EN 314-2 Class 3 Bond E1 Glue. FSC® and PEFC™ Certified Sealed edge birch panels with a smooth phenol face, ideal for creative uses.				
Type	Size	6.5mm	12mm	18mm
White Melamine 2S	2440 x 1220mm	-	£45.00	£75.00
Painting Film - Grey	2440 x 1220mm	-	-	£52.00
Grey Phenol	2440 x 1220mm	£41.00	£62.40	£78.55
Uses Furniture, shopfitting *Other colours, thicknesses and sizes available to special order				

Polyester Faced Plywood FSC® and PEFC™ Certified Polyester faced plywood used for the lining of commercial vehicles.			
Type	Size	3.6mm	5.5mm
White Gloss	2440 x 1220mm	£29.50	-
White Matt	2440 x 1220mm	£29.50	-
Light Grey Gloss	2440 x 1220mm	-	£30.50
Uses Vehicle lining			



OSB

OSB consists of resin-bonded sheets made up of small, thin strands of wood, compressed into layers to form a mat. It has good dimensional stability with no knots or voids in the structure.

Different grades and thicknesses are available, which mean that this product is suitable for use in a wide range of structural and non-structural applications.

A complete range of OSB, including FSC® certified products, is available for immediate delivery ex-stock.

OSB/3	32
SmartPly SiteProtect	32

Applicable Standards

- BS EN 300 – OSB definition, classification and specification



Quick Reference Guide - OSB

Type	Application and Climatic Conditions	Use Classes (EN 335)
OSB/1	Non-structural, interior fitments including furniture	Use Class 1
OSB/2	Non-structural applications	Use Class 1
OSB/3	Structural applications similar to those listed above, however OSB/3 is suitable for use in humid conditions	Use Classes 1 and 2
OSB/4	Heavy-duty structural applications in humid conditions	Use Classes 1 and 2

FSC® OSB/3

CE marked

Conditioned for use in humid environments.

Size	9mm	11mm	15mm	18mm	22mm
2440 x 1220mm	-	£12.40	£16.80	£19.80	£24.20
2400 x 1197mm	£11.15	£11.90	£16.50	£18.95	-
2697 x 1197mm	£12.90	£15.75	-	-	-
2400 x 590mm (T and G on 4-edges)	-	-	-	£10.90	-

Uses

Roof decking, roof sarking, wall sheathing, flooring, packaging, hoardings, signboards, portable buildings

FSC® SmartPly SiteProtect

CE marked

Pre-coated site hoarding panel designed to save both time and money.

Size	18mm
2440 x 1220mm	£26.50

Uses

Site hoarding and protection

Our experienced sales team are always on hand to advise on product specification

SMARTPLY®

DEFINING THE STANDARD OF OSB

SITEPROTECT/ SITEPROTECT PLUS

COMPARISON SHEET



SPECIFICATION CHARACTERISTICS:	SITEPROTECT	GENERAL SOFTWOOD PLYWOOD
Durable	Using an economic, yet fully certified board and adding a primer coat during the manufacturing process, allows the easy assembly* of durable site hoarding requiring just a face and edge finishing coat on site.	Perishable unprotected softwood is sometimes used.
Pre-Primed	Panels are supplied with a smooth pre-primed face and coated edges, which removes the need to prime.	Will require priming and painting.
Edge Coated	Edge primed to protect from moisture.	Edges will require sealing to protect from moisture.
Smooth Finish	Coated with a smooth, heavy duty, cross-linked polymer primer treatment. Just requires top seal.	Boards can be bowed/twisted with knot holes and core gaps/voids.
Cost Effective	SMARTPLY SITEPROTECT is a pre-primed site hoarding panel, designed to save you time and money.	Needs to be primed, painted and edged sealed, more labour means more money.

CONTACT:

Hanson Plywood Limited
Drakes Industrial Estate
Shay Lane, Halifax
West Yorkshire, HX3 6RL

Tel: 01422 330444
Fax: 01422 330706
Email: sales@hanson-plywood.co.uk
www.hanson-plywood.co.uk



For more information visit: www.hanson-plywood.co.uk

*Manufacturers guidelines should be followed at all times

Quick Reference Guide - MDF

Trade Term	Class	Typical average density	Application and climatic condition	Use Class (EN335)	General purpose joinery	Simple designs with minimal profile	Humid conditions	Architectural mouldings - skirting, architraves	Deep rooted profiles (e.g. membrane pressed PVC doors)	Designs with advanced deep rooted profiles and printed finishes
Standard	MDF	700kg/m ³	General purpose boards for dry conditions	Use Class 1	✓	✓	✗	✓	✗	✗
Trade	L.MDF	625kg/m ³	Light MDF boards for dry conditions	Use Class 1	✓	✓	✗	✗	✗	✗
Ultralight	UL2.MDF	520kg/m ³	Ultra-light MDF boards for dry conditions	Use Class 1	✓	✓	✗	✗	✗	✗
Moisture Resistant	MDF.H	720kg/m ³	General purpose boards for humid conditions	Use Class 1 and 2	✓	✓	✓	✓	✗	✗
Exterior	MDF.H-2	770kg/m ³	General purpose boards for exterior conditions	Use Class 1, 2 and 3	✓	✓	✓	✓	✓	✓

Applicable Standards

- BS EN 622-1 – Fibreboards specifications: general requirements
- BS EN 622-2 – Fibreboards specifications: requirements for Hardboard
- BS EN 622-5 – Fibreboards specifications: requirements for Dry Process Boards (MDF)

MDF - HDF - HARDBOARD

MDF is an engineered wood product consisting of softwood fibres bonded together under high heat and pressure. MDF is a very smooth, high quality board with an equal density across all of the panel. It is easily machinable and has no ‘natural defects’ such as knots as seen in other panel products.

Hanson Plywood Ltd are one of the largest stockists of MDF in the North of England and offer products from all the major manufacturers. A full range of MDF types, sizes and thicknesses are immediately available ex-stock.

Hardboard is a cost effective, wet processed fibreboard that is characterised by its high density of ≥900 kg/m³ in contrast with softboard and mediumboard. It is usually bonded together by the adhesive properties of the wood fibres (although oil or wax or other synthetic resins can sometimes be used).

Medium Density Fibreboard	36
Matchboard	36
Trade	38
Ultralight	38
Moisture Resistant	38
Exterior	38
Hardboard	38

FSC® and PEFC™ Medium Density Fibreboard

EN 622-5 MDF - CE marked

For creative applications such as routing and moulding in addition to general purpose construction and joinery.

Size	3mm	4mm	6mm	9mm	12mm	15mm	18mm
2440 x 1220mm	£5.35	£7.06	£8.76	£11.28	£14.11	£15.75	£18.40
2400 x 1525mm	-	£8.82	£10.90	£14.17	£17.58	£19.65	£22.93
2440 x 1830mm	-	-	-	-	£21.16	-	£27.52
3050 x 1220mm	£6.82	£8.82	£10.90	£14.17	£17.58	£19.65	£22.93
3050 x 1525mm	-	-	-	-	£31.68	£32.28	£41.40

Size	22mm	25mm	30mm	36mm	38mm	50mm	70mm
2440 x 1220mm	£22.56	£25.58	£34.65	£53.72	£56.45	£64.45	£88.33
2400 x 1525mm	-	£31.46	-	-	-	-	-
2440 x 1830mm	£33.76	£38.36	-	-	-	-	-
3050 x 1220mm	£28.15	£31.46	£43.22	£67.15	£70.50	£81.80	£110.42
3050 x 1525mm	-	£58.98	-	-	-	-	-

Uses

Furniture, shopfitting, wall panelling, exhibition displays, public buildings, toys

Matchboard MDF

Pre-grooved moisture resistant MDF available with various profiles. Other sizes/thicknesses are available to special order.

Size	Type	9mm
2440 x 1220mm	'W' Profile Matchboard on MR MDF	£31.75

Uses

Furniture, model making



Spanolux MDF:

- Specialist in fire retardant MDF with unique B-s1-d0 certified Firax and Firax L boards
- Black and grey colored MDF in moisture resistant and fire retardant quality
- S-Lux Pure with no added formaldehyde (NAF) available from stock in 9/12/18/22/30 mm
- All boards types can be supplied with prime coating
- PEFC and FSC certified

Download our stock program on www.spanolux.com or contact us on sales.spanolux@unilin.com



WWW.SPANOLUX.COM

MEDITE® AT THE TOP OF THE TREE

AS PIONEERS IN THE MDF INDUSTRY, WE'VE OPERATED IN SOME HARSH ENVIRONMENTS. WHETHER IT'S RESISTANCE AGAINST MOISTURE, PROTECTION AGAINST FIRE OR LEADING THE WAY IN FORMALDEHYDE EMISSIONS, WE'VE GOT AN MDF FOR IT.



**MEDITE®
ECOLOGIQUE**

An MDF panel manufactured with zero added formaldehyde. It has been developed specifically for use in environmentally sensitive interior applications.



**MEDITE®
PREMIER FR**

An MDF panel developed specifically for use in situations where a Euroclass B or a Euroclass C flame retardant board is required under building regulations.



**MEDITE®
MR**

A moisture resistant MDF panel designed for use in humid conditions in accordance with MDF.H (Option 1) as defined in EN 622-5.

For more information on our range of innovative solutions, visit www.mdfosb.com

MEDITE®



MDF - HDF - Hardboard

FSC® and PEFC™ Trade

EN 622-5 L.MDF - CE marked

For situations where weight must be restricted but reduction in performance must be minimal.

Size	9mm	12mm	15mm	18mm	25mm
2440 x 1220mm	£10.20	£13.75	£15.31	£17.89	£24.95
3050 x 1220mm	£12.75	£17.13	£19.15	£22.30	£31.05

Uses

Mobile homes, furniture, exhibitions, shopfitting, aircraft, shipbuilding

FSC® and PEFC™ Ultralight

EN 622-5 UL2.MDF - CE marked

Specially engineered variants of MDF. Ultralight MDF is easier to handle, produces less wear on tools and machinery, and can help to reduce the overall weight of the final product.

Size	12mm	15mm	18mm	25mm
2440 x 1220mm	£12.66	£14.11	£16.44	£22.93
3050 x 1220mm	£15.81	£17.64	£20.55	£28.66

Uses

Mobile homes, furniture, exhibitions, shopfitting, aircraft, shipbuilding

FSC® and PEFC™ Moisture Resistant

EN 622-5 MDF.H - CE marked

For applications where there may be limited exposure to moisture. Moisture Resistant boards are usually (but not always) dyed green for identification purposes.

Size	4mm	6mm	9mm	12mm	15mm	18mm	22mm	25mm	30mm
2440 x 1220mm	£6.99	£10.70	£13.48	£16.94	£18.78	£22.05	£27.09	£30.74	£38.45
3050 x 1220mm	-	£13.30	£16.67	£21.16	£23.44	£27.52	£33.83	£38.49	£47.94

Uses

Architectural mouldings, bathroom furniture, skirting boards, shopfitting, barfitting, furniture, general joinery

FSC® and PEFC™ Exterior

EN 622-5 MDF.H-2 - CE marked

Exterior MDF for use in a wide range of external applications. To be used in accordance with manufacturer's instructions.

Size	6mm	9mm	12mm	15mm	18mm	25mm
2440 x 1220mm	£17.15	£22.75	£28.35	£35.00	£40.32	£56.15
3050 x 1220mm	-	-	£35.46	-	£46.20	-

Uses

Signage, shop fronts, external woodwork, exterior mouldings

Hardboard

EN 622-2 HB - CE marked

Cost effective panel made from highly compressed wood fibres. Usually finished smooth on one side and textured on the reverse.

Type	Size	3.2mm	6mm
Standard	2440 x 1220mm	£4.97	£10.70
Eucalyptus	1220 x 605mm	£1.65	-
Eucalyptus	2440 x 1220mm	£6.05	-
White Painted	2440 x 1220mm	£6.00	-
Perforated	2440 x 1220mm	£9.65	-
Oil Tempered	2440 x 1220mm	£6.40	-

Uses

Furniture, flooring, panelling, protection, roofing

WE MAKE IT BETTER
ACROSS THE BOARD

THE UK'S LEADING STRUCTURAL PANEL BRANDS

SterlingOSB® Zero® Strength you can build on

Strong, consistent and great value, the SterlingOSB Zero range is ideal for structural applications.

CaberBoard® Trusted flooring systems

Versatile flooring system for domestic and commercial floors, CaberBoard is stable, durable and easy to lay.

CaberWood MDF® Legendary performance

Engineered with consistent density for multiple use throughout the shop fitting, construction and furniture industries.



CHIPBOARD

Particleboard, or chipboard, consists of woodchips compressed together with resin. It has smooth surfaces without knots or voids. Most chipboards incorporate recycled chipped timber, of which the proportion used in UK manufactured panels is typically between 65%-70%.

Different grades and thicknesses are available, enabling the product to be used in a variety of structural and non-structural applications.

P2 Furniture Grade	42
P3 Moisture Resistant	42
P5 Flooring	42

Applicable Standards

- BS EN 312 – Particleboard specifications
- BS EN 309 – Particleboard definition and classification



Quick Reference Guide - Chipboard

Type	Application and Climatic Conditions	Use Classes (EN 335)
P1	Internal, non-structural applications	Use Class 1
P2	Internal, non-structural furniture items	Use Class 1
P3	Non-structural applications similar to those listed under P2 above. However P3 is suitable for use in humid conditions	Use Classes 1 and 2
P4	Internal, structural applications	Use Class 1
P5	Structural applications similar to those listed under P4, however P5 is suitable for humid conditions	Use Classes 1 and 2
P6	Heavy-duty internal structural applications	Use Class 1
P7	Heavy-duty structural applications in humid conditions	Use Classes 1 and 2

FSC® and PEFC™ P2 Furniture Grade CE marked

A versatile and cost-effective chipboard with many uses. A slightly denser and stronger chipboard with finer chips for better quality.

Size	12mm	15mm	18mm	25mm	30mm	38mm
2440 x 1220mm	£11.15	£12.54	£15.35	£17.98	£22.11	£29.65
3050 x 1220mm	£13.97	£15.70	£19.15	£22.50	£26.66	£37.07
2440 x 1830mm	POA	POA	POA	POA	POA	POA
2620 x 2070mm	POA	POA	POA	POA	POA	POA

Uses

Furniture, veneering, laminating, general joinery, shopfitting, barfitting

FSC® and PEFC™ P3 Moisture Resistant CE marked

Moisture resistant chipboard panels.

Size	18mm	25mm
2440 x 1220mm	£20.30	£29.35
3050 x 1220mm	£24.25	-
2440 x 1830mm	£30.50	-

Uses

Flooring

FSC® and PEFC™ P5 Flooring CE marked

Moisture resistant flooring boards with interlocking tongue and groove.

Type	Size	18mm	22mm
Caberfloor/Durelis	2440 x 600mm	£7.85	£9.70
Caberdek (Peel clean)	2440 x 600mm	£10.62	£12.05
Cabershield (Permanent coated)	2440 x 600mm	-	£16.20

Uses

Flooring

We also supply fixing kits including glue and tape. **Please enquire with our sales team for details.**

Hydroflam



Every Second Counts.

- Hydroflam has powerful fire retardant characteristics
- Structural class P5
- European classification B-s2, d0.
- Retains its mechanical strength for a long time in situations involving fire.
- Moisture Resistant
- Reduced charring rate
- Increased airtightness – V₅₀ value: 0.0026m³/m².h.Pa

Applications:

- Walls
- Roofs
- Floors
- Interiors

Antivlam

- Fire retardant chipboard for use in dry environments.
- Fires in Antivlam go out by themselves and the board does not continue to glow after the source of heat has been taken away.
- European Classification B- s1, d0.
- Excellent solution for applications with higher resistance to fire, such as door cores and use as a firewall.



Characteristics

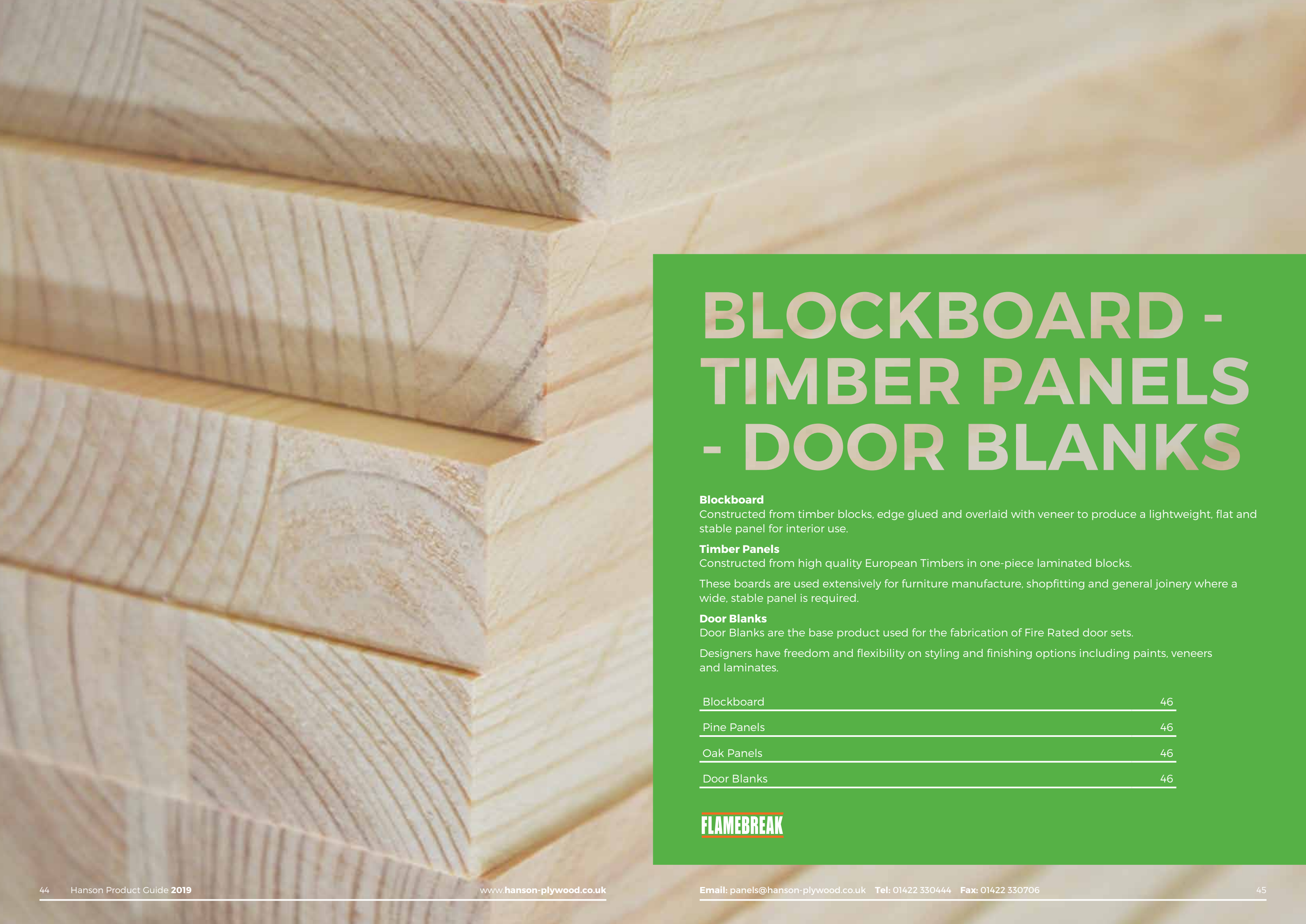
- Product class P2
- Fire retardant
- Tongue-and-groove joints (optional)



For further information please contact Price & Pierce Forest Products.

Telephone: Woking - 01483 221800
Hull - 01482 214610

E-mail: Panels@price-pierce.co.uk



BLOCKBOARD - TIMBER PANELS - DOOR BLANKS

Blockboard

Constructed from timber blocks, edge glued and overlaid with veneer to produce a lightweight, flat and stable panel for interior use.

Timber Panels

Constructed from high quality European Timbers in one-piece laminated blocks.

These boards are used extensively for furniture manufacture, shopfitting and general joinery where a wide, stable panel is required.

Door Blanks

Door Blanks are the base product used for the fabrication of Fire Rated door sets.

Designers have freedom and flexibility on styling and finishing options including paints, veneers and laminates.

Blockboard	46
Pine Panels	46
Oak Panels	46
Door Blanks	46

FLAMEBREAK

Blockboard Lightweight, flat, stable panel for interior use.		
Type	Size	18mm
Far Eastern Lightweight	2440 x 1220mm	£28.00
BB Birch Blockboard	2440 x 1220mm	£34.50
Oak Faced Blockboard	2440 x 1220mm	£62.50
Ash Faced Blockboard	2440 x 1220mm	£57.00
Chinese Blockboard	2440 x 1220mm	£31.80
Uses Furniture, joinery, veneering		

Scandinavian Redwood Pine Panels 45mm Lamels - 120 Grit Sanding - PEFC™ Certified Flat, stable decorative panel for interior use. Edged glued redwood strips bonded to give a stable, wide section panel.							
Size	Grade	9mm	12mm	15mm	18mm	25mm	32mm
3000 x 1220mm	A/B	-	-	-	£52.95	-	-
3000 x 750mm	A/B	£26.50	-	-	-	-	-
3000 x 600mm	A/B	-	£22.50	£23.50	£26.10	£39.50	-
3000 x 500mm	A/B	-	-	-	£22.75	-	-
3000 x 450mm	A/B	-	-	-	£21.75	-	-
3000 x 400mm	A/B	-	-	-	£19.60	-	-
2400 x 600mm*	A/B	-	-	-	£22.70	-	-
Uses Internal joinery, shopfitting, furniture manufacture *Individually shrink wrapped.							

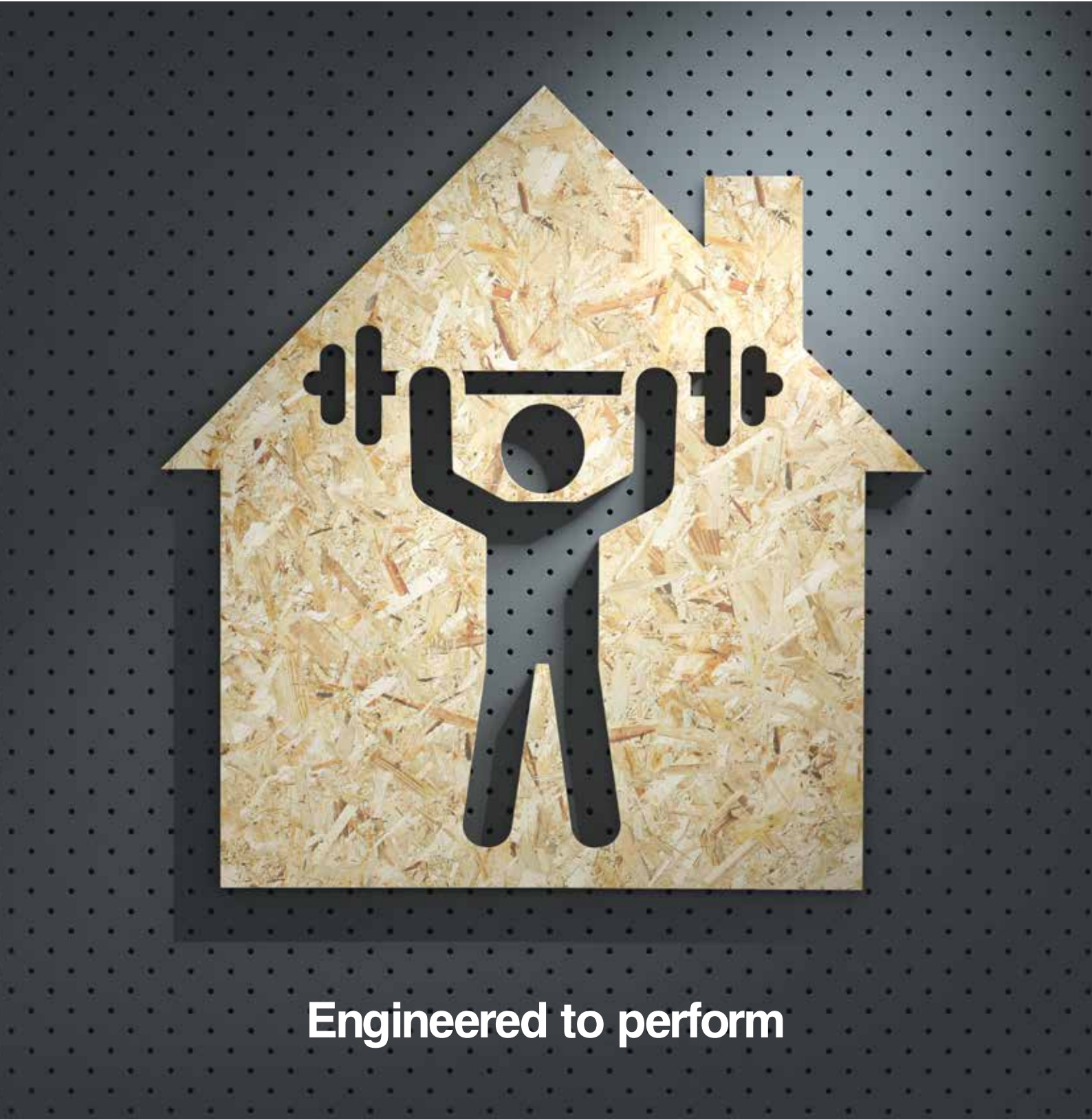
European Oak Panels 90mm Lamels - 120 Grit Sanding Available in both long and short grain to produce different shapes.		
Type	Size	18mm
European Oak Panels	2400 x 600mm	£105.00
Uses Internal joinery, shopfitting, furniture		

Flamebreak Door Blanks

Flamebreak is the market leading lightweight door blank for use in new build and refurbishments. Engineered 3 layer light hardwood core for an extremely strong, flat and stable blank.

- PAS 23 and PAS 24 test evidence.
- Acoustic test evidence up to Rw 35dB.
- Thermal test evidence.
- BM TRADA Q-Mark approved.
- 44mm FD30 approximately 40% lighter than standard hardwood core blanks.

A full range of sizes and finishes are available. Please contact our sales team for more information.



Kronobuild® OSB, Particleboard and MDF

Welcome to our expanded range of construction panels, developed from innovative production technology to radically improve building performance. Check out the engineered protection of OSB Firestop, or the advantageous new Fast Protect - a T&G Particleboard Flooring with dual layers of slip-resistant protection. All benefit from environmental, quality and performance accreditation making the new Kronobuild® range the perfect place to start specifying a project.

To find out more or order samples visit: www.kronospan-express.com





FLEXIBLE PANELS

Our range of flexible panels allows the design and creation of curves, waves and cylindrical structures with absolute ease.

Plywood	50
MDF	50

Applicable Standards

- BS EN 313 – Plywood classification and terminology
- BS EN 314-2 – Bonding quality
- BS EN 635 – Plywood classification by surface appearance
- BE EN 636 – Plywood specification
- BS EN 622-1 – Fibreboards specifications: general requirements
- BS EN 622-5 – Fibreboards specifications: requirements for Dry Process Boards (MDF)

Flexible Panels

Flexible Plywood Used to create curved structures.			
Size	3mm	5mm	8mm
2440 x 1220mm Long Grain	£18.95	£20.42	£32.00
1220 x 2440mm Cross Grain	£18.95	£20.42	£32.00
Uses Furniture, model making, shopfitting, barfitting, general joinery, stage sets/scenery			

Flexible MDF Available in both long and short grain to produce different shapes.	
Size	6mm
2440 x 1220mm	£26.46
Uses Furniture, model making	

An extensive
range of flexible
panels available

Tableros Folgado, SA. FLEXIBLE PLYWOOD

Characteristics

- Flexible and Mouldable board
- Glued exterior

Uses

- Decoration
- Planking
- Mouldings
- Curving



www.tabfolgado.es

Decospan manufactures wood veneered panels for fine interior joinery.

With our treasure chest of more than 150 wood species and our modern production facilities we aim to supply a wide range in products and services to meet the needs of the market.

Sustainability is key in our philosophy and we treat human and nature with maximum respect, as stated in our Pure Wood Charter.

Welcome to our wonderful world of veneer.
www.decospans.com

Stay tuned, follow us on [f](#) [p](#) [in](#) [v](#)





DECORATIVE PANELS

Hanson Plywood Ltd supply a diverse range of real wood veneer panel products.

Unlike imitation wood such as melamine or laminate, wood veneers are extremely unique and thus are essential for high-end applications. Each species has its own particular character and no two will exhibit the exact same colour or texture.

Veneers are cut from the log in predominantly two ways to produce different characteristics in colour and grain.

MDF	54
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MDF - Melamine Faced Panels	55
Custom Veneering Solutions	55

Decorative Panels can be:
C/C - Crown Cut
Q/C - Quarter Cut
A/B - A Grade front, B Grade back
A/Bal - A Grade front, balancer reverse

Decorative Panels

Decorative Veneered MDF								
Veneer Species	Size	4mm	6mm	10mm	13mm	16mm	19mm	26mm
Ash	2440 x 1220mm	£32.98	£34.69	£37.10	£39.39	£40.79	£42.44	£52.54
Ash	2440 x 1830mm	-	-	-	-	-	-	£66.33
Ash	3050 x 1220mm	-	-	-	£44.76	-	£48.22	£59.72
Steamed Beech	2440 x 1220mm	£30.04	£32.27	£34.56	£37.24	£38.75	£40.03	£52.23
Steamed Beech	2440 x 1830mm	-	-	-	-	-	-	£66.17
Steamed Beech	3050 x 1220mm	-	-	-	£42.27	-	£45.51	£59.08
American Cherry	2440 x 1220mm	£43.14	£46.50	£48.73	£52.60	£54.44	£56.10	£65.81
American Cherry	3050 x 1220mm	-	-	-	£59.77	-	£63.76	£74.79
Galician Pine	2440 x 1220mm	£24.65	£25.54	£28.46	£31.50	£33.42	£36.53	£44.66
American Maple	2440 x 1220mm	£37.99	£39.58	£41.87	£45.36	£47.71	£50.19	£58.32
European Oak	2440 x 1220mm	£31.13	£32.78	£34.31	£37.10	£39.45	£40.85	£52.15
European Oak	2440 x 1830mm	-	-	-	-	-	-	£66.83
European Oak	3050 x 1220mm	-	-	-	£42.16	-	£46.43	£59.29
Sapele C/C	2440 x 1220mm	£27.45	£29.73	£31.32	£33.92	£35.77	£36.33	£50.06
Sapele C/C	3050 x 1220mm			£38.58	-	-	£41.29	£56.95
Sapele Q/C	2440 x 1220mm	£26.64	£28.59	£30.09	£32.46	£34.08	£34.65	£47.12
American Black Walnut	2440 x 1220mm	£47.15	£48.98	£51.40	£53.81	£56.29	£59.20	£65.44
American Black Walnut	2440 x 1830mm	-	-	-	-	-	-	£88.33
American Black Walnut	3050 x 1220mm	-	-	-	£61.11	-	£67.28	£74.27

Decorative Veneered Plywood					
Veneer Species	Size	3.6mm	6mm	9mm	12mm
Ash	2440 x 1220mm	£21.15	£25.56	£32.60	£37.26
American Maple	2440 x 1220mm	£24.95	£29.51	£36.62	£43.14
European Oak	2440 x 1220mm	£17.50	£22.00	£29.10	£35.55
Sapele	2440 x 1220mm	£16.35	£20.56	£27.20	£41.01

Decorative Veneered Birch Plywood		
Veneer Species	Size	18mm
Ash	2500 x 1250mm	£89.90
American Maple	2500 x 1250mm	£96.80
European Oak	2500 x 1250mm	£86.65
Sapele	2500 x 1250mm	£79.50

Decorative Veneered Blockboard		
Veneer Species	Size	18mm
European Oak	2440 x 1220mm	£65.65
Ash	2440 x 1220mm	£59.85
Uses Barfitting, shopfitting, hotels, furniture, cabinets, fire surrounds, boat fit-outs		

Edging Tape

For the professional finish of decorative products we supply matching edging tape to order.

Flexi Veneer

Please refer to the manufacturer's guidelines which are available on our website. Any species can be supplied as Flexi Veneer in sizes up to 3050 x 1240mm within short lead times. Prices on application.

Veneer Species	Size	1mm
Ash	2440 x 1220mm	£46.40
Steamed Beech	2440 x 1220mm	POA
American Cherry	2440 x 1220mm	£52.90
American Cherry	3050 x 1220mm	-
Galician Pine	2440 x 1220mm	£43.50
American Maple	2440 x 1220mm	£52.80
European Oak	2440 x 1220mm	£46.40
Sapele Crown Cut	2440 x 1220mm	-
Sapele Quarter Cut	2440 x 1220mm	-
American Black Walnut	2440 x 1220mm	£66.70

Uses

Barfitting, shopfitting, cabinet work

Chipboard - Melamine Faced Panels

Colour	Size	15mm	18mm
White - Textured	2440 x 1220mm	£20.75	£23.50
White - Smooth	2440 x 1220mm	£20.75	£23.50
Cream	2440 x 1220mm	£21.45	£24.20
Black	2440 x 1220mm	£21.50	£24.20

MDF - Melamine Faced Panels

Colour	Size	15mm	18mm
White - Textured	2440 x 1220mm	£25.50	£30.80
White - Smooth	2440 x 1220mm	£25.50	£30.80
Cream	2440 x 1220mm	£28.50	£31.50
Black	2440 x 1220mm	POA	POA

Uses

Barfitting, shopfitting, hotels, furniture, cabinets, fire surrounds, boat fit-outs

Quality veneered panels to your specifications





Veneer and melamine finishes to suit

In addition to the decorative veneered panels we hold on stock, we also offer a diverse range of custom veneering solutions to meet any unique decorative demands.

From our extensive network of suppliers and access to a wealth of raw material, we can offer many combinations of veneer, melamine and laminate on almost any available substrate.



For a competitive quote, please call us on **01422 330444** to discuss your requirements. Alternatively, email: **sales@hanson-plywood.co.uk** or fax: **01422 330706**



BE NATURAL

Express yourself with 50+ decorative veneers

E: uk@finsa.com
P: 0151 651 2400
W: www.finsa.com



FIRE RETARDANT PANELS - BUILDING BOARDS

Fire retardant panel products are specified in a wide range of end use applications such as wall linings, partitions, display panels, ceilings etc. Typical installations are: hotel foyers, offices, public libraries, schools, court houses, hospitals, cinemas, shopfitting, barfitting and some shipbuilding applications.

Fire retardant panel products can delay ignition for a meaningful time and lower the heat release rate after ignition. Both of these strongly affect the potential for spreading fire beyond the location of original ignition.

Applicable Standards

- BS EN 13501-1 – Fire classification of construction products
- BS EN 13823 – Single burning item test
- BS EN 11925 – Ignitability test
- BS EN 313 – Plywood classification and terminology
- BS EN 314-2 – Bonding quality
- BS EN 635 – Plywood classification by surface appearance
- BE EN 636 – Plywood specification
- BS EN 300 – OSB definition, classification and specification
- BS EN 622-1 – Fibreboards specifications: general requirements
- BS EN 622-5 – Fibreboards specifications: requirements for Dry Process Boards (MDF)
- BS EN 594 – Racking resistance

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Multi-Rend	65

Fire Retardant Panels - Building Boards

Fire Retardant Panels - Classifications and Standards

A question we are frequently asked is which fire rated panel will provide 30 minute or 60 minute fire resistance. The answer of course is not straight forward, and although fire rated panels can be used as part of a fire barrier system, such as partitions, the finished design requires additional independent testing to achieve such a rating.

Since the introduction of the Construction Products Regulation (CPR), Fire retardant panels are tested against EN 13823:2002 (SBI or Single burning item test) and EN 11925 (Ignitability Test), and given a rating against their performance.

SBI is the key test and records parameters relating to the rate of fire growth, lateral flame spread, heat release and smoke emission.

There are seven Euroclass Classifications for fire performance of different construction materials ranging from A1 and A2 through to F. Classifications for wood-based panel products such as plywood, MDF and chipboard include B, C, D and E. Euroclasses D and E relate to untreated material.

Class	Performance description	Fire scenario and heat attack		Examples of products
A1	No contribution to fire	Fully developed fire in a room	At least 60kW/m²	Products of natural stone, concrete, bricks, ceramic, glass, steel and many metallic products
A2	No contribution to fire	Fully developed fire in a room	At least 60kW/m²	Products similar to those of class A1, including small amounts of organic compounds
B	Very limited contribution to fire	Single burning item in a room	40kW/m² on a limited area	Gypsum boards with different (thin) surface linings. Fire retardant wood-based panel products
C	Limited contribution to fire	Single burning item in a room	40kW/m² on a limited area	Phenolic foam, gypsum boards with different surface linings Flame retardant wood-based panel products (thicker than in Class B)
D	Acceptable contribution to fire	Single burning item in a room	40kW/m² on a limited area	Wood-based panel products with thickness > about 10mm and density > about 400 kg/m³ (depending on end use)
E	Acceptable contribution to fire	Small flame attack	Flame height 20mm	Low density fibreboard, plastic based insulation products
F	No performance requirements	Small flame attack	Flame height 20mm	Products not tested (no requirements)

How this differs from the old standards...

Prior to the implementation of the Construction Products Regulation in July 2013, fire testing and classification was carried out in accordance with the British National Standard, BS 476. The two main classifications were Class 1 and Class 0.

Class 1: Was classified according to Part 7 of BS 476 which required testing on the surface spread of flames. For a Class 1 board, the spread of flame had to not be more than 165mm in 10 minutes.

Class 0: Was classified according to Part 7 and Part 6 of BS 476 and required compliance with the Fire Propagation Index in addition to the surface spread of flames. The Fire Propagation Index measures the heat released when timber burns. Panels achieving a Class 0 specification needed to have a Fire Propagation Index of <12.

The new European Standards (EN 11925 and EN 13823 - see Page 58), in particular the Single Burning Item test, measure the rate of fire growth, lateral flame spread, total heat release, level of smoke production and number of flaming droplets of a timber product.

UK Building Regulations

In England and Wales, the fire requirements for buildings are dealt with by Approved Document Part B to the Building Regulations. Since the implementation of the Construction Products Regulation, Class 1 and Class 0, in relation to timber cladding and plywood used in permanent construction, are now phased out where a harmonised product standard exists.

Euroclass B transposes to Class 0 and Euroclass C transposes to Class 1 NB: It is not possible to obtain a National Class and sell to a European Class or vice versa. In other words, you must carry out testing against European Standards to achieve a European classification.

Are the new Euroclasses as good as the old National Standards?

The simple answer to this is that they are different. Euroclasses are a new set of Reaction to Fire tests that are deemed as acceptable as the old British Standards by UK Building Regulations. Now, for the first time in UK Building Regulations, these new reaction to fire tests evaluate smoke emission for timber and plywood. Euroclasses are not time rated fire performance classifications so do not offer 30 or 60 minute fire resistance. As mentioned previously on Page 58, finished product requires additional independent testing to achieve such a rating.



BBA ACCREDITED MGO BUILDING BOARDS

A1 NON-COMBUSTIBLE FIRE RESISTANCE

multi-proXS

multi-rend

multi-pro

MoistSure
Tile Backer Board

PROPERTIES

FIRE RESISTANT

BREATHABLE

EASY TO CUT, FIT & FIX

MOISTURE RESISTANT

IMPACT RESISTANT & DURABLE

MOULD & DEGRADE RESISTANT

APPLICATIONS

WALL, FLOOR & CEILING LININGS

RENDER CARRIER BOARDS

TILE BACKER FOR BATHROOMS & WET AREAS

SOLID FUEL STOVE SURROUNDS

SUITABLE FOR TIMBER OR LIGHT STEEL FRAME SYSTEMS

SOFFIT & FASCIA BOARDS & MUCH MORE....

For technical data and further information, please visit www.resistant.co.uk or contact your local branch.

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www.hanson-plywood.co.uk

Fire Retardant Panels - Building Boards

Plywood - Fire Retardant

A range of thicknesses and sizes available ex-stock. Our plywood boards for interior applications can be fire retardant treated with DRICON – a tried and tested impregnation treatment that provides a one-off assured surface spread of flame protection for the service life of the boards.

DRICON is a UK Wood Protection Association approved humidity resistant fire treatment and is the only BBA certified fire retardant treatment for timber and panel products. This unique accreditation has been in place for over 25 years.

DRICON is also classified as INT2 (Interior2), the highest fire protection classification for internal products. Treatments have been independently tested to meet either Euroclass B or C requirements of EN 13501-1.

Uses

Veneering, laminating, joinery, shopfitting, furniture, exhibitions, stage sets, laser cutting, model making, automotive applications

Fire Retardant Hardwood Plywood

ATP Euro Class C

Unique high pressure impregnation treatment specifically designed for use in INT1 dry interior situations..

Size	3.6mm	5.5mm
2745 x 1220mm	£17.50	£17.50
2440 x 1220mm	£23.70	£23.70

Uses

Shopfitting, exhibitions.

Spano Antivlam Fire Retardant Chipboard

Euro Class B- 70% PEFC Certified Material

Unique high pressure impregnation treatment specifically designed for use in INT1 dry interior situations..

Size	10mm	12mm	18mm
2500 x 1250mm	£20.73	£23.06	£33.06
3050 x 1250mm	£25.28	£28.15	£40.35

Uses

Stairwells, exit routes, lift shafts, corridors

MDF

FSC® and PEFC™ Fire Retardant - CE marked

Made for use in public buildings and exhibitions and is designed to restrict the spread of flames in the event of fire. This form of MDF is usually dyed pink throughout the core.

Size	6mm		9mm		12mm		15mm		18mm		25mm	
Euro class	B	C	B	C	B	C	B	C	B	C	B	C
2440 x 1220mm	£26.46	£17.48	£32.29	£21.74	£36.33	£24.00	£39.85	£25.52	£44.89	£30.19	£52.90	£38.70
3050 x 1220mm	£33.08	£21.84	£40.32	£27.14	£45.41	£30.25	£50.35	£31.87	£56.07	£37.75	£66.10	£48.50

Uses

Public buildings, exhibitions

OSB

FSC® SmartPly – CE marked

Flame retardant and moisture resistant OSB panel. Non-stocked item available against specific order.

Size	Class	Type	11mm	15mm	18mm
2397 x 1197mm	Euro Class C	FR build	POA	-	-
2397 x 1197mm	Euro Class C Euro Class B	FR build	-	POA	POA

15mm/18mm – Meet Euro Class C for roofing and sheathing applications and meet Euro Class B for flooring applications.

Fire Retardant Birch Plywood

Euro Class B - EN 636-2 EN 314-2 Class 3 Bond E1 Glue

Thickness	12mm	18mm
Grade	BB	BB
1220 x 2440mm	£53.85	£85.50

Fire Retardant Poplar Plywood

Euro class B - EN 636-1 EN 314-2 Class 1 Bond E1 Glue.

Non-stocked item available against specific order.

Thickness	6mm	9mm	12mm	15mm	18mm	25mm
Grade	B/BB	B/BB	B/BB	B/BB	B/BB	B/BB
2500 x 1220mm	£39.99	£47.30	£60.20	£71.75	£83.30	£115.70
3100 x 1530mm	£77.80	£91.87	£120.47	£139.51	£161.94	£224.88

AVAILABLE THROUGH HANSON PLYWOOD LTD

A choice of tried, tested and trusted built-in fire protection for plywoods

- Industrially applied controlled pressure treatments
- Surface spread of flame protection to Euroclass B or Euroclass C to meet EN13501-1
- UK Wood Protection Association approved treatments

Dricon

- INT2 (Humidity resistant) protection for **permanent** interior applications
- The only BBA certified fire retardant treatment for timber
- Fully approved for use by London Underground - LUL Standard 1-085

ATP Generic

- INT1 (Dry interior) protection for **temporary** interior applications
- Suitable for film sets, shop fitting and exhibition projects and Ministry of Defence work



TO FIND OUT MORE VISIT





www.lonzafiretreatments.eu

DRICON is a registered trademark of Arch Timber Protection, a Lonza company.










Real World Thinking.
Real World Performance.

Lonza

Fire Retardant Panels - Building Boards


BBA Accredited Magnesium Oxide Building Boards								
Product and Applications	Density	BBA	Internal Use	External Use	Cutting Method	Racking to BS594	Fire Rating	Fire Resistance
<div><ul style="list-style-type: none">Bathrooms and shower areasWet and humid areasSwimming pools</div>	1050kg/m³	✓	✓	✓	Score and snap	✗	A1 Non-combustible	✗
<div><ul style="list-style-type: none">Passive fire protection boardOSM, pods and park homesTimber frame racking boardSIPS fire mitigation sheathing</div>	1050kg/m³	✓	✓	✓	Score and snap	✓	A1 Non-combustible	Load and non-load bearing partition 60, 90 and 120 minutes
<div><ul style="list-style-type: none">Soffit strips and cavity closersFire rated stud partition wallsLarge sheet tile backerBoiler backing board</div>	1050kg/m³	✓	✓	✓	Score and snap	✗	A1 Non-combustible	Non-load bearing partition 60 minutes
<div><ul style="list-style-type: none">Render carrier boardSuitable for use with acrylic brick strips, stone cladding etc.Solid fuel surround</div>	1050kg/m³	✓	✓	✓	Score and snap	✗	A1 Non-combustible	✗

Resistant Board Properties

								
Fire Resistant	Breathable	Easy to Cut	Moisture Resistant	Impact Resistant	Mould Resistant	Easy Fixing	High Strength	Safer Board
✓	✓	✓	✓	✓	✓	✓	✓	✓



Downloads available at www.resistant.co.uk




CE marked

A multi-purpose building panel with excellent thermal and moisture performance.

Size	6mm	12mm
2400 x 1200mm	£19.20	£34.20


Uses
Wall cladding and infill panels, internal partitions, ceilings and linings, fascias/eaves/dormer/soffit linings, wet rooms, modular buildings, suitable substrate for high pressure laminates and veneers, POD linings



Enhanced strength variant with an additional mesh layer for construction systems.

Size	6mm	12mm
2400 x 1200mm	£19.20	£34.20
1195 x 590mm	£4.80	-
1200 x 800mm	-	£10.20

Uses
Bathroom, shower areas, wet and humid areas, swimming pools




CE marked

Enhanced strength variant with an additional mesh layer for construction systems.

Size	6.5mm	9mm	12mm
2400 x 1200mm	£21.20	£29.50	£50.50
2700 x 1200mm	-	£35.90	-
3050 x 1200mm	-	£43.20	-

Uses
Closed cell timber frames, fire rated modular construction, prisons, park homes, anti-vandal units



Enhanced strength variant with an additional mesh layer for construction systems.

Size	9mm	12mm
2400 x 1200mm	£29.90	£39.80

Uses
Render carrier board, suitable for use with acrylic brick slips, solid fuel stove surrounds, stone cladding etc.



A complete cutting, laminating and machining service

Through our wide network of suppliers, we offer a complete cutting, laminating and machining service in addition to all of our stock range to help meet specific manufacturing requirements.

Bespoke CNC machining facilities are available, allowing us to supply cut to size, machined or drilled panels.

A complete and varied range of laminates are also available to be bonded onto any of our standard panels stock. These panels can also be further cut, machined or drilled to customers' own individual requirements.

In addition to Fire Retardant product lines, we also offer the option to treat other stock lines.

The standard lead time for cut size panels is 3-5 days, with veneering and laminating lead times slightly longer at around 7-10 days from date of order. Fire retardant treatment times can vary between product lines; please contact us to assess lead times.

Please call us on **01422 330444** to discuss your requirements. Alternatively email drawings or specifications over to us to **sales@hanson-plywood.co.uk** or fax to **01422 330706** and we can give a more accurate quotation.

Hanson Plywood Ltd offer a bespoke service tailored to the client's individual requirements across a large number of industries

Useful Resources

Timber Trade Federation - www.ttf.co.uk
Wood Campus - www.woodcampus.co.uk
PEFC™ - www.pefc.org
FSC® - www.fsc.org
Trada - www.trada.co.uk

Conversion Tables

Imperial to metric

Imperial	Metric
1 inch	25.4mm
1 sq ft	0.0929m ²
1m ²	10.76 sq ft
1m ³	35.315 cu ft

Equivalent panel sizes

Imperial		Metric	
5' x 4'	20 sq ft	1525 x 1220mm	1.8605m ²
5' x 5'	25 sq ft	1525 x 1525mm	2.3256m ²
6' 6" x 2' 3"	14.63 sq ft	1981 x 686mm	1.3590m ²
6' 6" x 2' 6"	16.5 sq ft	1981 x 762mm	1.5095m ²
6' 6" x 2' 9"	18 sq ft	1981 x 838mm	1.6600m ²
7' x 3'	21 sq ft	2135 x 915mm	1.9535m ²
8' x 4'	31 sq ft	2400 x 1200mm	2.88m ²
8' x 4'	32 sq ft	2440 x 1220mm	2.9768m ²
8' x 5'	40 sq ft	2440 x 1525mm	3.7210m ²
8' x 6'	48 sq ft	2440 x 1830mm	4.4652m ²
8' 4" x 6' 8"	56 sq ft	2550 x 2050mm	5.2275m ²
8' 6" x 6' 9"	57.38 sq ft	2620 x 2070mm	5.423m ²
9' x 5'	45 sq ft	2745 x 1525mm	4.1861m ²
9' x 6'	54 sq ft	2745 x 1830mm	5.0234m ²
9' 2" x 6' 9"	62 sq ft	2800 x 2070mm	5.7960m ²
10' x 4'	40 sq ft	3050 x 1220mm	3.7210m ²
10' x 5'	50 sq ft	3050 x 1525mm	4.6513m ²
10' x 6'	60 sq ft	3050 x 1830mm	5.5815m ²
12' x 6'	72 sq ft	3660 x 1830mm	6.698m ²

Nearest thickness

Imperial	Metric
1/8 inch	3.2/3.6/4mm
1/4 inch	5.5/6/6.4mm
3/8 inch	9/9.5mm
1/2 inch	12/13mm
5/8 inch	15/16mm
3/4 inch	18/19mm
7/8 inch	21/22mm
1 inch	24/25mm
1 ¼ inch	30mm
1 ½ inch	38/40mm
1 ¾ inch	44/45mm
2 inch	50mm

Hanson Plywood Limited

Drakes Industrial Estate, Shay Lane

Ovenden, Halifax HX3 6RL

Tel: 01422 330444 Fax: 01422 330706

Email: panels@hanson-plywood.co.uk

www.hanson-plywood.co.uk

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