Hanson
PLYWOOD LIMITED

2022

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

Timbers used are sourced 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 services which are aligned to the individual requirements of a varied, diverse and ever-growing customer base. Our clientele ranges from general construction companies to high quality furniture manufacturers and all the way back to architects working on their initial specification.

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

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).

Following UK's departure from the European Union, the EUTR has since been replaced by the UKTR. As this is the UK's very own timber regulation, it allows us to widen the scope of our Due Diligence to assess both EU and non-EU supply chains.

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 and now Timber Development UK's (TDUK) Sustainability Committee means that Hanson Plywood are at the forefront of environmental issues and are proactive in promoting sustainable sourcing throughout the UK timber industry.

We are acutely aware of our responsibility to ensure a balance between the economic environment and social aspects of our business.

Using the latest 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 to 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.
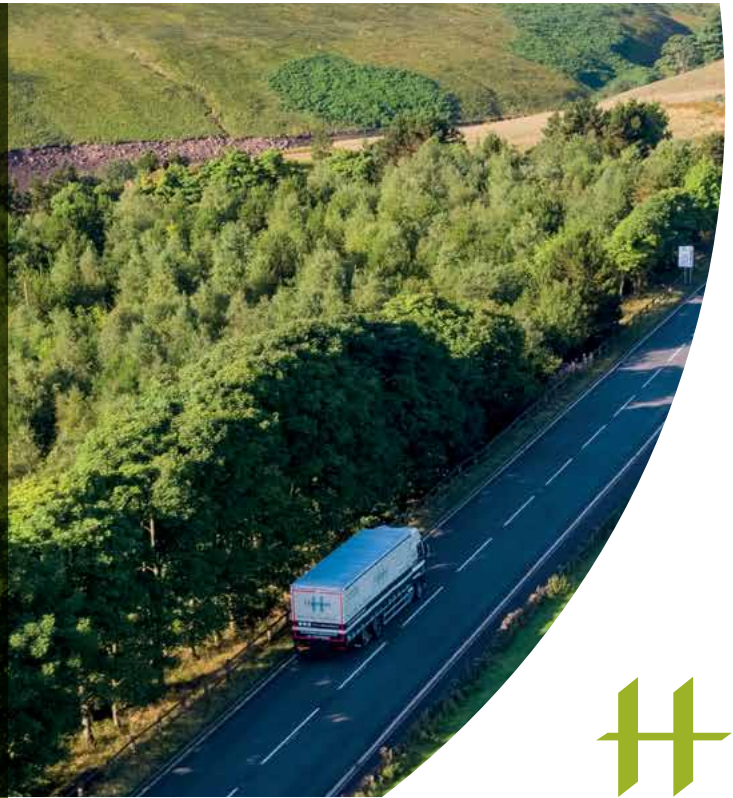
Assured Performance

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.

Additional Services

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

Using Our Guide

We endeavour to produce a comprehensive 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 range of products are continually being expanded, so if there is anything you require that is not listed in this catalogue, please contact our sales team who will be able to assist you with your specific requirements.

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.

Hanson
PLYWOOD LIMITED

Product Contents

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

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/media

Construction Products Regulation

NBS Plus

NBS Source

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.

Following the UK's departure from the European Union, we are preparing for the proposed changes from CE Marking to UKCA Marking for our products. The standards associated with sheet materials will not change in the early stages but the assessment mark and factory production controls will be managed by UKCA marking.

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.

Introducing NBS Source

Backed by the RIBA, NBS Source is the new digital platform that integrates RIBA Product Selector, NBS Bim Library and NBS Plus providing a unified source of high quality, enhanced, manufacturer product data that will integrate seamlessly into your specification. **source.thenbs.com**

Hanson Plywood has a range of high-quality plywood products listed within NBS Source that provides specifiers with all the tools and digital information needed to find, select and specify the correct product to meet project requirements.

www.hanson-plywood.co.uk
www.theplywoodspecifiersguide.co.uk

RIBA CPD

Hanson Plywood is proud to form part of the Approved RIBA CPD Providers Network offering a unique and informative CPD entitled: Plywood: A Definitive Guide To Specification.

Please contact us for more information on 01422 330 444

Product Utilisation and Specification Guidance

UK companies that import wood products from outside of the UK have a responsibility for ensuring their legality under the UK Timber Regulation (UKTR).

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 UK are subjected to a thorough risk assessment process.

As a 'Trader' (a company who purchases products already on the UK market), records of all purchases including origin, timber species and country of harvest are requested from suppliers 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 originally with EUTR compliance and now UKTR compliance, enabling us to ensure that all of our products are sourced from legal and sustainable forests.
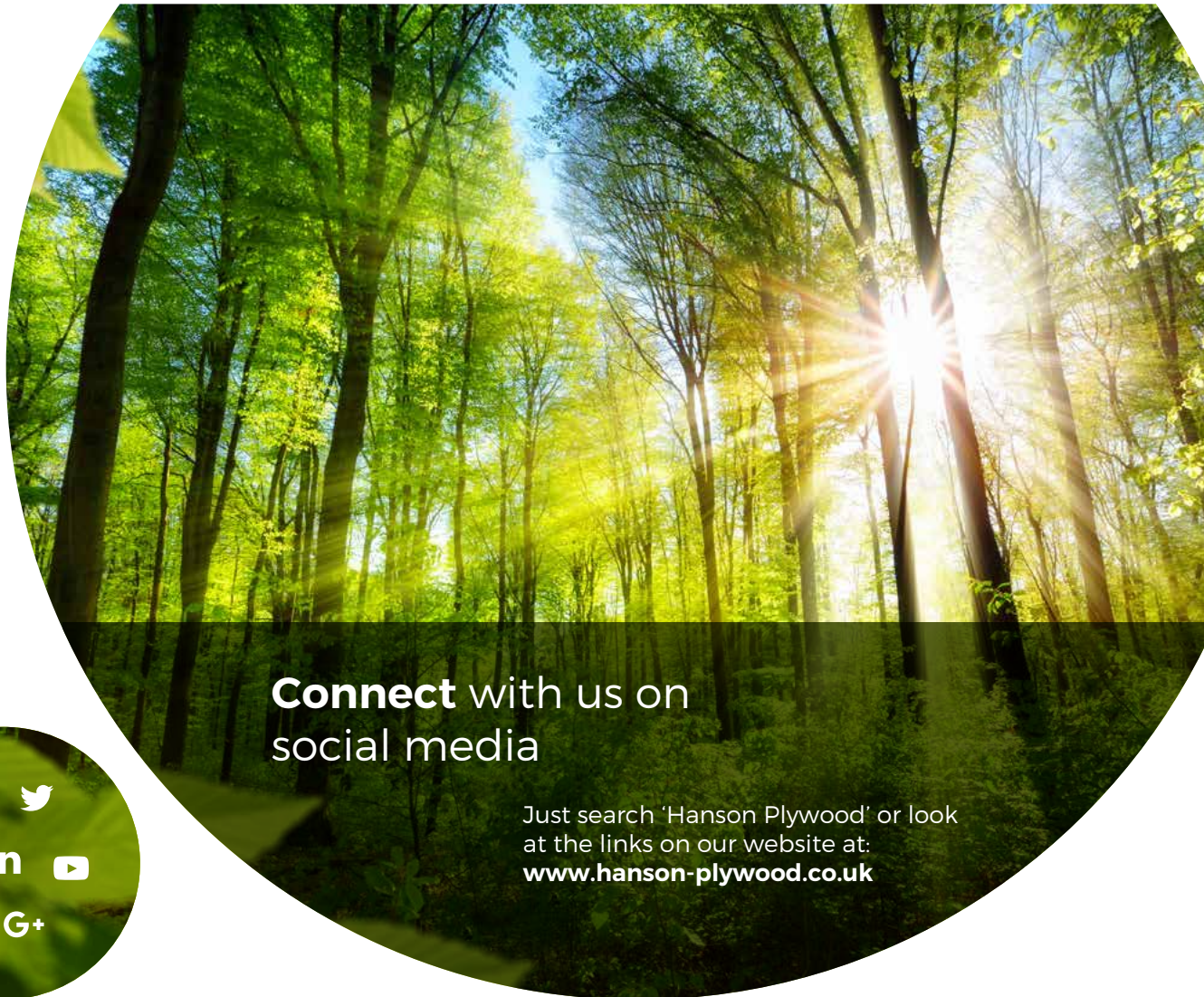
Connect with us on social media

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

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 specification

Plywood

Plywood is manufactured by using multiple 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.

Plywood

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	Application	Standard	1 - Dry 20°C with R/H 65% Interior applications no risk of wetting	2 - Humid 20°C with R/H 85% Protected exterior applications or humid environments	3 - Exterior Moisture content higher than 20% Unprotected exterior applications
Bonding Quality		EN 314-2	Bonding Class 1	Bonding Class 2	Bonding Class 3
Durability		EN 335	Use Class 1	Use Class 2	Use Class 3
Mechanical Properties	Structural - characteristic values - bending strength	EN 12369-1 or EN 789/EN 1058 EN 310	✓	✓	✓
	Non structural - bending strength	EN 310	✓	✓	✓
Formaldehyde Emission*	Construction	EN 13986	E1 or E2	E1 or E2	E1 or E2
	Non-construction	EN 636/DD ENV 717-1/EN 717-2	E1 or E2	E1 or E2	E1 or E2
Dimensional Tolerance		EN 315	✓	✓	✓

*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.

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.

Specifying plywood for use in exterior conditions - EN 636-3

Understanding plywood and plywood specifications can be a complicated business. The following information will guide you through the process to ensure that your specification of plywood will indeed be fit for purpose.

EN 636 refers to plywood specifications and forms part of the harmonised standard for wood-based panels for use in construction **EN 13986:2004 +A1-2015.**

EN 636 - 3 specifies the requirements for plywood for use in external applications as defined in Use Class 3, where the moisture content will frequently be above 20%.

Use Class 3 is defined fully in **EN 335:2013** but essentially it outlines situations in which wood or wood-based product is above ground and exposed to the weather (particularly rain). Attack by disfiguring fungi and wood destroying fungi is possible as well as attack by wood boring insects, including termites.

Essential elements of plywood for EN 636-3 (Use Class 3)

Bonding quality - The bonding quality of the plywood needs to comply with the requirements of bonding class 3 of EN 314-2.

Biological durability - Plywood shall be appropriate for the prevailing climatic conditions. It is therefore important to assess whether the durability of the plywood to be used is sufficient and if not consider another solution such as design or preservative treatment. Guidance on factors affecting durability can be found in **CEN/TS 1099.**

When specifying plywood for Use Class 3 appropriate surface and edge coating should also be applied.

Relevant standards

EN 13986:2004+A1-2015 - Wood panels for use in construction - characteristics, evaluation of conformity and marking.

EN 314-2 Plywood Bonding Quality - part 2: Requirements.

EN 335:2013 - Durability of wood and wood-based products - Use Class definitions, application to solid wood and wood-based products (this supersedes EN 335-3:1995).

CEN/TS 1099 - Plywood: Biological Durability. Guidance for assessment of plywood for use in different Use Classes.

EN 635-2 - Classification by surface appearance Part 1: General, Part 2: Hardwood.

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 preservative treatment of 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.

Take a look around our
virtual showroom

View it now by following the link below:
www.hanson-plywood-showroom.co.uk

Scan me

RIBA Approved CPD

Hanson Plywood is proud to form part of the Approved RIBA CPD Providers Network offering a unique and informative CPD entitled:

'PLYWOOD: A DEFINITIVE GUIDE TO SPECIFICATION'

The seminar focuses on:

▶ The key features and origination of plywood within a global context.

▶ The legal and environmental framework that impacts on plywood specification.

▶ The key aspects and variability of the plywood manufacturing process.

▶ The origination of Marine Plywood and the disconnect with current European Plywood Standards.

▶ The European Technical Standards that underpin robust plywood specification.

▶ The key features of the different birch plywood face grades available.

▶ Reaction to Fire European Standards applicable to plywood.

**To book your CPD please call 01422 330444
and talk to our specification adviser**

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PLYWOOD LIMITED

Our plywood panels are listed within NBS Source which provides specifiers with all the tools and digital information needed to find, select and specify the correct Hanson Plywood product to meet project requirements.

NBS Plus

NBS Source

Quick Reference Guide - Plywood

Applicable Products	Typical Applications	Use Class (see definitions)	Applicable Standards	Minimum Requirement
H PERFORMANCE Plywood® **H BIRCH** Plywood **H SP101** Flooring Plywood® **H POPLAR PLYWOOD** PANGUANETA **H SOFTWOOD** 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
H PERFORMANCE Plywood® **H BIRCH** Plywood **H SP101** Flooring Plywood® **H SOFTWOOD** Plywood Far Eastern Type Plywood (Malaysian/Indonesian/Chinese)	**Internal joinery with temporary exposure during construction.** Flooring, 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
H 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

* This is a perforated pull out document *

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 UKTR (UK 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

Responsible Purchaser | Timber Trade Federation growing the use of wood | TRADA member | FSC FSC® C008096 The mark of responsible forestry | PEFC PEFC/16-37-261 | RIBA·CPD·ASSESSED·MATERIAL | NBS Plus | NBS Source

H PERFORMANCE
Plywood®

Optimum performance classification and fully compliant for use in construction applications. **EN 636 Use Class 3, EN 314-2 Class 3 Exterior Glue**.

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

An extensive range of 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 & 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.**

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

Applications - flooring underlay, laminating, veneering, joinery, furniture, shop and bar fitting.

H POPLAR PLYWOOD
PANGUANETA Plywood For Life

Poplar/Ilomba construction offering stability, ease of cutting and machining and most importantly, low density with a clean and consistent grain figure.

A No Added Formaldehyde (NAF) variant of this product is available.

Applications - caravans, motorhomes, leisure vehicles, boat/yacht building, laminating, veneering, furniture, shop & bar fitting, exhibitions, scenery and staging, general joinery.

H SOFTWOOD
Plywood

Practical panels comprised of coniferous tree species and created with structural purposes and applications in mind.

Applications - construction, packaging, roofing, flooring, hoarding, formwork, container lining, fencing, wall sheathing.

H FIRE RETARDANT
Panels

A range of panels manufactured to reduce the spread of flames and delay ignition in the event of a fire with either **Euroclass C** or **Euroclass B** fire performance if required.

Applications - entrances/foyers, offices, public libraries, schools, court houses, hospitals, cinemas, shopfitting, bar fitting, shipbuilding applications.

Plywood

Hardwood Plywood

H 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	-	✓	✓	✓	✓	✓	✓

Uses

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

H SP101 Flooring Plywood®

EN 636-2 EN 314-2 Class 3 Bond E1 CE marked. FSC® stock available. FLEGT licensed
Thicknesses 5.5mm and up are BS 8203:2017, Code of Practice for Installation of Resilient Floor Coverings compliant

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	3.6mm	5.5mm	9mm	12mm	18mm	25mm
1220 x 610mm	✓	✓	-	-	-	-
2440 x 1220mm	✓	✓	✓	✓	✓	✓

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	✓	✓	✓	✓	✓	✓	✓	✓

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	✓	✓	✓	✓	✓	✓	✓

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	✓	✓	✓	✓	✓	✓	✓
3050 x 1220mm	✓	✓	✓	✓	✓	✓	✓
3050 x 1525mm	✓	✓	✓	✓	✓	✓	✓

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	✓	✓	✓	✓	✓	✓

Uses
General joinery, boat building, panels in exposed areas

Softwood Plywood

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

Species of softwood plywood for various applications.

Type	Size	9mm	12mm	15mm	18mm	24mm
FSC® C+/C Brazilian Pine Plywood	2440 x 1220mm	✓	✓	✓	✓	✓
FSC® 11/111 Russian Softwood Pine	2440 x 1220mm	-	✓	-	✓	✓
PEFC Finnish Spruce	2440 x 1220mm	-	✓	-	✓	✓

Tongued and Grooved Structural Softwood Plywood
EN 636-2 EN 314-2 Class 3 Bond E1 Glue CE marked. FSC® Certified

Species of softwood plywood for various applications.

Type	Size	18mm	21mm
T and G 4 Edges	2400 x 600mm	✓	✓
T and G 2 Long Edges	2440 x 1200mm	✓	-

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

Plywood

POPLAR PLYWOOD
PANGUANETA
Plywood For Life

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	✓	✓	✓	✓	✓	✓	✓	✓	✓
3120 x 1220mm	-	-	-	-	✓	✓	✓	✓	-
3120 x 1530mm	-	-	-	-	✓	✓	✓	✓	-

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	✓	✓	✓	✓	✓	✓	✓	✓	✓

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
2440 x 1220mm	✓	✓	✓	✓	✓	✓	✓	✓	✓

Speciality Poplar/Ilomba Panels

We are also able to offer a range of speciality 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-s1, d0 according EN 13501-1.

Please check availability with our sales team.

PLYWOOD MADE BY PANGUANETA

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

Classic
VERSATILE AND
FUNCTIONAL

Superior
RELIABLE
AND STABLE

Eco
CERTIFIED AND
TRACEABLE

Project
TECHNOLOGICAL
AND REFINED

www.panguaneta.com

Plywood

HLASER LITE
PANGUANETA Plywood™

EN 636-1 EN 314-2 Class 1 Bond E1 Glue

Thickness		4mm	6mm
Grade	-	-	-
2500 x 1220mm	✓	✓	✓

Uses

Toy and model making, arts and crafts, printing, laser cutting

Pure Glue Eco Poplar Throughout Plywood
EN 636-1 EN 314-2 Class 1 Bond CARB Phase II - NAF (No Added Formaldehyde) Certified

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.

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	✓	✓	✓	✓	✓	✓	✓	✓	✓

Uses

Furniture, display, automotive, boat building, public buildings

Pure Glue Eco Poplar Throughout Plywood: Large Press Sheets
EN 636-1 EN 314-2 Class 1 Bond CARB Phase II - NAF (No Added Formaldehyde) Certified

All the attributes of Poplar Throughout Plywood with the added benefit of a scientifically formulated and eco-friendly. No Added Formaldehyde (NAF) certified resin.

Thickness	12mm	18mm
Grade	B/BB	B/BB
3100 x 1530mm	✓	✓

Uses

Furniture, display, automotive, boat building, public buildings

Fire Retardant Poplar Plywood*
Euroclass B - EN 636-1 - EN 314-2 Class 3 Glue Bond - E1

Thickness	6mm	9mm	12mm	15mm	18mm	25mm
Grade	B/BB	B/BB	B/BB	B/BB	B/BB	B/BB
2500 x 1220mm	✓	-	-	-	✓	-
3100 x 1530mm	-	-	-	-	-	-

*Other thicknesses available to order

Uses

Public buildings, construction, offices, schools, hotels

Pangua-Forte
EN636-3 EN314 -2 – CLASS 3 Glue

Pangua-Forte Plywood is an engineered innovative product of outstanding durability designed for resistance to wood decay agents.

Thickness	9mm	12mm	15mm	18mm	25mm	30mm
2500 x 1220	✓	✓	✓	✓	✓	✓

Uses

Typical applications include: wooden houses, urban furniture, marine industry, playground, garden structures, packaging

PANGUANETA

Plywood For Life

TUTTOPIOPPO

Panguaneta Poplar Plywood
100% Made in Italy

Lightweight, versatile, decorative.

Obtained from the selection of the best raw materials to ensure the application in the most demanding industries.

PURE GLUE

PURE GLUE

A **Formaldehyde-Free Plywood** using a non-toxic bonding system.

This technology is designed to reduce formaldehyde emissions and help improve indoor air quality in schools, homes, RV- Caravans and offices.

FIRE PROOF

Fire retardant plywood classified **B-s1, d0** according to **European Standards EN 13501-1** and in conformity with **American Standards ASTM E-84 Class A**.

An innovative and modern treated material, to improve safety and reduce risk of fire.

AND MORE...

Try the wide range of Panguaneta Plywood providing innovative solutions across a range of specific applications, such as:

BIRCH-TWIN
PRIMED PLYWOOD
PRE-PAINT PLYWOOD
LAMINATED PLYWOOD

www.panguaneta.com

Plywood

H BIRCH Plywood

Birch Plywood is graded dependant on face quality. The core construction is the same regardless of grade.
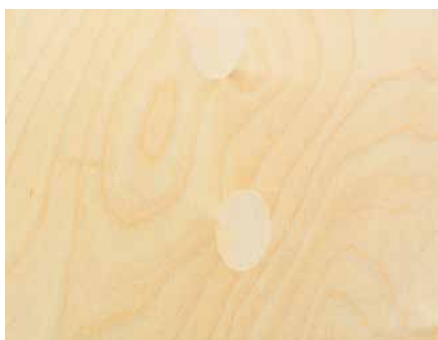
Birch Grades and Properties

B or S+
The highest quality birch plywood commercially available. Solid veneers with limited discolouration, no open defects or plug repairs. Suitable for high quality paint, stain or lacquer finish where the end product is intended to be open to display.
*Sometimes referred to as S+ grade dependant on manufacturer.

BB Face*
Mainly solid veneers with only small repaired veneer splits and pin knots allowed. Larger open knots are repaired with wooden plugs/patches. The shape of the plug repair can be described as 'oval' or 'butterfly' dependant on manufacturer and the number of repairs is limited to eight per square metre. Some solid light and dark knots are admissible.

Generally considered as 'paint grade' and used where a solid surface is needed but the visual aspects are not so critical.

CP Face*
Generally as BB grade but with the possibility of a greater number of repairs, open defects and discolouration. This grade can also arise from the rejects of higher grades. Suitable for applications where a strong, stable core is needed but where it is accepted the face quality can vary.

C Face*
The lowest quality birch plywood. Usually unsanded and allows unlimited open defects. Suitable for applications where a strong, stable core is needed but face grade is not important.

*All images are for indicative purposes only.

⧓ Quick Reference Guide - Birch Plywood

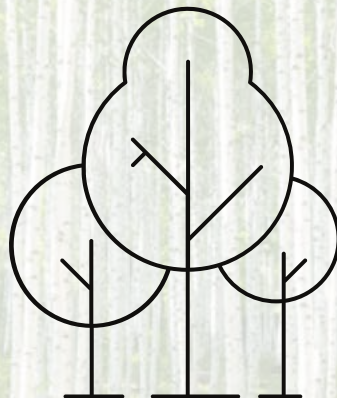Typical values collated from Russian, Polish and Finnish production standards

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	45mm	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	93.8	105
Number of plies	13	15	17	19	21	25	29	31	36
Gluing options	E1 Int/Ext	E1 Int/Ext	E1 Int/Ext	E1 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	+1.4/-1.8	+1.5/-1.9

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

SPECIALISTS IN HIGH QUALITY AND SERVICE BRINGING THE UK CLOSER TO THE FINEST RUSSIAN BIRCH PLYWOOD

CONFORMING TO THE HIGHEST POSSIBLE STANDARDS AND CERTIFICATIONS

SUITABLE FOR A RANGE OF APPLICATIONS INCLUDING FURNITURE, CONSTRUCTION, INTERIOR AND EXTERIOR DECORATION

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WWW.KOMIPLY.CO.UK

FSC
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www.fsc.org
FSC® C007915

Plywood

BIRCH Plywood

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	✓	✓	✓	✓	✓	✓	✓
1220 x 2440mm	-	✓	✓	-	✓	-	-
1525 x 3050mm	-	✓	-	-	✓	-	-

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	✓	✓	✓	✓	✓	✓	✓	✓	✓
1220 x 2440mm	-	✓	-	-	-	✓	-	-	-
1220 x 3050mm	-	✓	-	-	-	✓	-	-	-
1525 x 3050mm	-	✓	-	-	-	✓	-	-	-

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	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
1220 x 2440mm	-	-	✓	✓	-	-	✓	-	-	-	-	-	-
1220 x 3050mm	-	✓	-	-	-	-	✓	-	-	-	-	-	-
1525 x 3050mm	-	✓	-	-	-	-	✓	-	-	-	✓	-	-

Thickness	24mm					27mm		30mm	35mm	40mm	45mm	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	✓	✓	✓	✓	✓	✓	✓	-	✓	✓	✓	✓
1220 x 2440mm	-	✓	-	✓	✓	-	-	-	✓	-	-	✓
1220 x 3050mm	-	✓	-	-	-	-	-	-	-	-	-	-
1525 x 3050mm	-	✓	-	-	-	-	-	✓	-	-	-	-
1525 x 1525mm	-	-	-	-	-	-	-	-	-	-	-	✓

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.

BIRCH Plywood — Interior Glued Laser Plywood

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

Thickness	3mm			4mm			5mm			6mm			8mm
Grade	B/BB	BB/BB	C/C	B/BB	BB/BB	C/C	B/BB	BB/BB	C/C	B/BB	BB/BB	C/C	C/C
1525 x 1525mm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Thickness	9mm		12mm			15mm			18mm			24mm	
Grade	B/BB	BB/BB	B/BB	BB/BB	C/C	B/BB	BB/BB	C/C	B/BB	BB/BB	C/C	BB/BB	C/C
1525 x 1525mm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Thickness	12mm	15mm	18mm
Grade	BB/BB	BB/BB	BB/BB
2440 x 1220mm	✓	✓	✓
1220 x 2440mm	✓	✓	✓
1525 x 1270mm	✓	✓	✓
1525 x 1525mm	✓	✓	✓
1525 x 1830mm	✓	✓	✓
1525 x 2440mm	✓	✓	✓
1830 x 1220mm	✓	✓	-
1830 x 1270mm	-	-	✓

Uses

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

Fire Retardant Birch Plywood*

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

Size	12mm	18mm
Grade	BB/BB	BB/BB
1220 x 2440 / 2440 x 1220mm	✓	✓

* Other thicknesses available on request

Quality has a name. Koskisen

KoskiPly birch – exterior glue line
Unique thin birch plywood (0.4mm +) for a multitude of indoor and outdoor applications from arts, crafts and luxury packing to demanding industrial applications.

KoskiPly birch – interior glue line
Unique thin birch plywood (0.4 mm +) for all laser-cutting and engraving works from art and crafts to design items.

KoskiFlex
Unique thin birch plywood (0.4mm +) for printing post cards and business cards, laser-cutting, engraving and design goods, arts and crafts.

KoskiPly Color
Unique thin birch plywood (1,5 mm +) for all laser-cutting and engraving works from art and crafts to design items.

Plywood

Koskisen Thin Birch Plywood - PEFC™ Certified

Interior Glue - Laser Plywood
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/BR	BR/BR	BR/BR	BR/BR	BR/BR
1220 x 1220mm	✓	✓	✓	✓	✓	✓	✓	✓	✓

Uses
Models, instruments, toys, furniture, craft work, laser cutting

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	BR/BR	AB/B	BR/BR	C/C	BR/BR
1525 x 1525mm	-	✓	✓	-	-	✓	✓	-
1220 x 1220mm	✓	-	✓	✓	-	✓	✓	✓
2400 x 1200mm	-	-	-	-	-	✓	-	-
1200 x 2400mm	-	-	-	-	-	✓	-	-

Uses
Models, instruments, toys, furniture, shopfitting, engineering, pattern makers

Koskisen Birch Veneer

| Thickness | 1.5mm |
Grade	CD
1600 x 1600mm	✓
1600 x 530mm	✓

Coated Plywood - FSC® and PEFC™ Certified

Concrete Formwork Panels
FSC® and PEFC™ Certified

Reusable paper/film coated panels for use in forming concrete structures.

Type	Size	6mm	9mm	12mm	18mm	24mm
Brown Phenolic Film Faced Birch	2440 x 1220mm	-	-	✓	✓	✓
Black Phenolic Film Faced Birch	2440 x 1220mm	-	✓	-	-	-
MDO Softwood	2440 x 1220mm	-	-	-	✓	-
Chinese Phenolic Film Faced Hardwood	2440 x 1220mm	-	-	-	✓	-

Uses
Formation of concrete structures

Phenol Film Faced Birch Plywood
FSC® and PEFC™ Certified

High quality birch panels faced with slip resistant mesh/hexagon/diamond patterns.

Type	Size	6.5mm	9mm	12mm	15mm	18mm	21mm	24mm
Brown Mesh/Smooth	1220 x 2440mm	-	✓	✓	✓	✓	✓	✓
	1525 x 3050mm	-	-	✓	-	✓	-	-
Black Hexa/Smooth	1220 x 2500mm	✓	✓	✓	-	✓	-	-
Brown Hexa/Smooth	1220 x 2500mm	-	-	✓	-	✓	-	-
Black Diamond/Smooth	1220 x 2440mm	-	✓	-	-	-	-	-
Grey Hexa/Smooth	1220 x 2440mm	-	✓	-	-	-	-	-

Uses

Vehicle body building, stages, flight cases, horseboxes, platforms, walkways

Koskifutura Polyproylene 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	✓

*Other colours, thicknesses and sizes available to special order

Melamine Faced Birch Plywood
EN 636-2 EN 314-2 Class 3 Bond E1 Glue. FSC® and PEFC™ Certified

Sealed edge birch panels with a smooth melamine face, ideal for creative uses.

Type	Size	6.5mm	12mm	15mm	18mm
White Melamine 2s*	2440 x 1220mm	-	✓	-	✓
Grey Melamine 2s	2440 x 1220mm	✓	✓	✓	✓

Uses

Furniture, shopfitting

*Other colours, thicknesses and sizes available to special order

Polyester Faced Hardwood Plywood

Polyester faced plywood used for the lining of commercial vehicles.

Type	Size	3.6mm	5.5mm
White Gloss	2440 x 1220mm	✓	-
White Matt	2440 x 1220mm	✓	-
Light Grey	2440 x 1220mm	-	✓

Uses

Vehicle lining and portable buildings

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 means 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.

kronospan

Smart_Ply_®
The Smart OSB Answer to Plywood

West Fraser

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 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

Structural applications suitable for use in humid conditions.

Size	8mm	9mm	11mm	15mm	18mm	22mm
2440 x 1220mm	✓	-	✓	✓	✓	✓
2400 x 1197mm	-	✓	✓	✓	✓	-
2697 x 1197mm	-	✓	✓	-	-	-
2400 x 590mm (Tongue & grooved on 4 edges)	-	-	-	-	✓	-

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

FSC® SmartPly Strongdeck

High performance engineered wood panel suitable for the most demanding structural applications.

Size	30mm
2400 x 675mm (Tongue & grooved on 2 long edges)	✓

FSC® SmartPly Propassiv

Structural OSB panel with integrated vapour control and air barrier properties for use as structural sheathing in timber frame structures.

Size	12.5mm
2397 x 1197mm	✓

Uses
Airtight OSB3 panel for use in Passivhaus buildings

FSC® SmartPly SiteProtect and SiteProtect Plus
CE marked

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

Type	Size	18mm
Site Protect	2440 x 1220mm	✓
SiteProtect Plus (coated 2 sides)	2440 x 1220mm	✓

Uses
Site hoarding and protection

SMARTPLY MAX FR B is your perfect offsite construction solution

Flame retardance built in*

CPR Compliant EURO CLASS B OSB panel

A great deal of design possibilities

Environmentally committed

Let's do the right thing!

FSC
www.fsc.org
FSC® C019958
The mark of responsible forestry

*Maximum Euroclass rating for a timber panel
**This panel complies with the FR/FR Build performance requirements in accordance with STA's (Structural Timber Association) "Design guide to separating distances during construction".

Comprising all the properties you would expect from a SMARTPLY OSB panel – strength, moisture resistance and no added formaldehyde – **SMARTPLY MAX FR B** is a new and innovative product which offers increased levels of fire protection for the creation of safer, more resilient buildings.

With a Euroclass B reaction to fire rating, **SMARTPLY MAX FR B** offers reliable assurance to specifiers, of its ability to suppress fire ignition and growth in the critical early stages of development, making it an appropriate consideration for modern methods of construction.

Smart, consistent and strong, with even greater flame retardance, 'B' sure to do the right thing with **SMARTPLY MAX FR B****.

To find out how we are setting new standards in timber panel engineering, **go to www.mdfosb.com/max-fr-b**

MEDITE®
SMARTPLY®
INNOVATIVE TIMBER PRODUCTS

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	650kg/m³	General purpose boards for dry conditions	Use Class 1	✓	✓	✗	✓	✗	✗
Trade	L.MDF	625kg/m³	Light MDF boards for dry conditions	Use Class 1	✓	✓	✗	✗	✗	✗
Ultralight	UL2.MDF	520kg/m³	Ultra-light MDF boards for dry conditions	Use Class 1	✓	✓	✗	✗	✗	✗
Moisture Resistant	MDF.H	720kg/m³	General purpose boards for humid conditions	Use Class 1 and 2	✓	✓	✓	✓	✗	✗
Exterior	MDF.H-2	770kg/m³	General purpose boards for exterior conditions	Use Class 1, 2 and 3	✓	✓	✓	✓	✓	✓

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 UK 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, wax or other synthetic resins can sometimes be used).

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

FINSA   **medite**   **kronospan**

West Fraser

MDF - HDF - Hardboard

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	✓	✓	✓	✓	✓	✓	✓
2440 x 1525mm	-	✓	✓	✓	✓	✓	✓
3050 x 1220mm	✓	✓	✓	✓	✓	✓	✓
3050 x 1525mm	-	-	-	-	✓	✓	✓

Size	22mm	25mm	30mm	36mm	38mm	45mm	50mm	70mm
2440 x 1220mm	✓	✓	✓	✓	✓	✓	✓	✓
2400 x 1525mm	-	✓	-	-	-	-	-	-
3050 x 1220mm	✓	✓	✓	✓	✓	✓	✓	✓
3050 x 1525mm	-	✓	-	-	-	-	-	-

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	18mm
2440 x 1220mm	'W' Profile Matchboard on MR MDF	✓	✓

Uses Furniture, model making

Black MDF

High density, moisture resistant MDF board Black throughout with a hard, fine and smoothly sanded surface.

Size	6mm	9mm	12mm	18mm	25mm
2440 x 1220mm	✓	✓	✓	✓	✓
3050 x 1220mm	✓	✓	✓	✓	✓

Uses Furniture, model making, shopfitting, exhibitions, display boards.

Premium quality standard and specialty MDF

- Standard and moisture resistant range
- Light and full density fire retardant range available, to Euroclass B specification
- Black and grey coloured-in-core range available in a range of finishes
- CARB II and NAF low-formaldehyde options
- All board types can be supplied with a prime coating
- Compliant with both PEFC and FSC chain of custody schemes
- Sustainably produced using 100% recovered wood

Pick up our stock program from Hanson Plywood or visit www.unilinpanels.com.

UNILIN
unilinpanels.com

MEDITE®
makes
it real

MEDITE® MDF

From windows and doors to tables and chairs. To kitchen cupboards, skirting and bespoke-crafted stairs. For dolls houses and toys, putting smiles on little ones' faces. And planters and baskets in our beloved green spaces. The clocks, the picture frames that adorn living room walls. The desks for home working and learning in schools.

Engineered wood panels for imaginative builds, whether practical or playful, **MEDITE® makes it real.**

Join the MEDITE MDF community online to receive the latest updates. Upload your project images to be entered into a competition. Sign up to receive a free gift.

Visit **meditemakesitreal.com** for more information.
Dreamers welcome!

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FSC® C020700
The mark of responsible forestry

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	✓	✓	✓	✓	✓
3050 x 1220mm	✓	✓	✓	✓	✓

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	✓	✓	✓	✓
3050 x 1220mm	✓	✓	✓	✓

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	✓	✓	✓	✓	✓	✓	✓	✓	✓
3050 x 1220mm	-	✓	✓	✓	✓	✓	✓	✓	✓

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	✓	✓	✓	✓	✓	✓
3050 x 1220mm	-	-	✓	-	✓	-

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	✓	✓
Eucalyptus	1220 x 605mm	✓	-
Eucalyptus	2440 x 1220mm	✓	-
White Painted	2440 x 1220mm	✓	-
Perforated	2440 x 1220mm	✓	-
Oil Tempered	2440 x 1220mm	✓	-

Uses

Furniture, flooring, panelling, protection, roofing

1
UK'S ONLY MANUFACTURER OF ZERO-ADDED FORMALDEHYDE

OSB

1
UK'S MOST SPECIFIED

P5 FLOOR

1
UK'S FIRST MANUFACTURER

MDF

Need we say more?

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CARBON -NEGATIVE-

West Fraser
Formerly known as **Norbord**
Make it better

SterlingOSB Zero®
Strength you can build on

CaberFloor®
Systems you can trust

CaberWood MDF®
Legendary performance

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

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.

kronospan

SmartPly®
The Smart OSB Answer to Plywood

West Fraser

Chipboard

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	✓	✓	✓	✓	✓	✓
3050 x 1220mm	✓	✓	✓	✓	✓	✓

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

FSC® and PEFC™ P5 Flooring
CE marked

Moisture resistant flooring boards with interlocking tongue and groove.

Type	Size	18mm	22mm
Caberfloor/Kronospan	2400 x 600mm	✓	✓
Caberdek (Peel clean)	2400 x 600mm	✓	✓
Cabershield/Kronospan Fast Protect (Permanent coating)	2400 x 600mm	-	✓

Uses
Flooring

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

FSC® and PEFC™ P6 Flooring
CE marked

Heavy-duty internal structural applications

Size	38mm
2440 x 600mm	✓

Uses
Mezzanine flooring

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 - Timber Panels - Door Blanks

Blockboard

Lightweight, flat, stable panel for interior use.

Type	Size	18mm
Far Eastern Lightweight	2440 x 1220mm	✅
BB Birch Blockboard	2440 x 1220mm	✅
Oak Faced Blockboard	2440 x 1220mm	✅
Ash Faced Blockboard	2440 x 1220mm	✅
Chinese Blockboard	2440 x 1220mm	✅

Uses
Furniture, joinery, veneering

Scandinavian Redwood Pine Panels
45mm Lamels - 120 Grit Sanding - PEFC™ Certified

Flat, stable, decorative panel for interior use. Edge glued redwood strips bonded to give a stable, wide section panel.

Size	Grade	9mm	12mm	15mm	18mm	25mm	32mm
3000 x 1220mm	A/B	-	-	-	✅	-	-
3000 x 750mm	A/B	✅	-	-	-	-	-
3000 x 600mm	A/B	-	✅	✅	✅	✅	-
3000 x 500mm	A/B	-	-	-	✅	-	-
3000 x 450mm	A/B	-	-	-	✅	-	-
3000 x 400mm	A/B	-	-	-	✅	-	-
2400 x 600mm*	A/B	-	-	-	✅	-	-

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	✅

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.
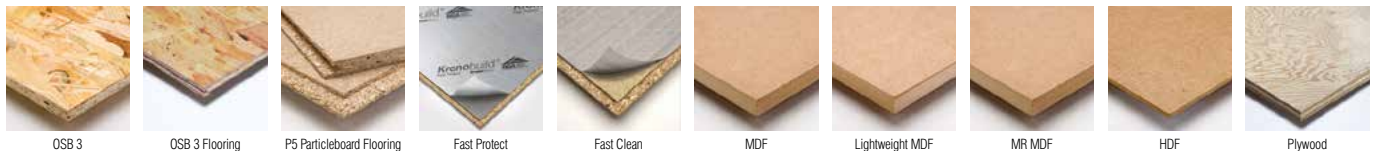- 44mm FD30 approximately 40% lighter than standard hardwood core blanks.

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

Flexible Panels

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

Plywood	50

Flexible Panels

Flexible Plywood
EN 314-2-Class 1 glue

Used to create curved structures.

Size	3mm	5mm	
2440 x 1220mm Long Grain	✓	✓	✓
1220 x 2440mm Cross Grain	✓	✓	✓

Uses

Furniture, model making, shopfitting, barfitting, general joinery, stage sets/scenery

An extensive range of flexible panels available

- CHOOSE THE RIGHT PRODUCT FOR APPLICATION
- RESOURCES AT YOUR FINGERTIPS
- LIVE CHAT WITH THE EXPERTS
- APPLICATION GALLERIES & VIDEOS
- INDUSTRY SPECIFIC INFORMATION
- ORDER PRODUCT SAMPLES

VISIT
OUR NEW VIRTUAL SHOWROOM EXPERIENCE

We are delighted to announce our new virtual showroom experience is now live, take the tour now:
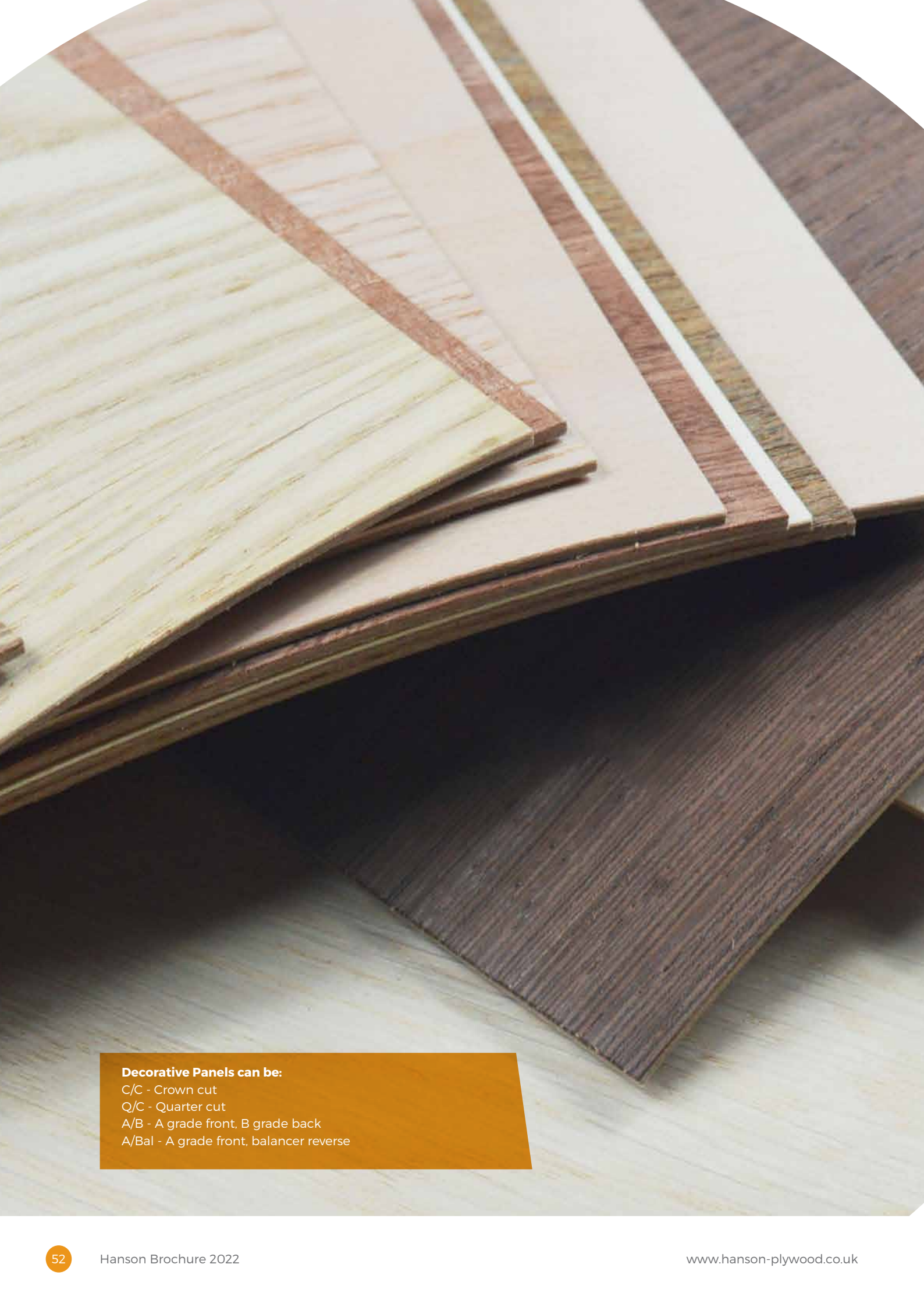
www.hanson-plywood-showroom.co.uk

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

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

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.

Decorative Panels

Decorative Veneered MDF

Veneer Species	Size	4mm	6mm	10mm	13mm	16mm	19mm	26mm
Ash	2440 x 1220mm	✔	✔	✔	✔	✔	✔	✔
Ash	2440 x 1830mm	-	-	-	-	-	-	✔
Ash	3050 x 1220mm	-	-	-	✔	-	✔	✔
Steamed Beech	2440 x 1220mm	✔	✔	✔	✔	✔	✔	✔
Steamed Beech	2440 x 1830mm	-	-	-	-	-	-	✔
Steamed Beech	3050 x 1220mm	-	-	-	✔	-	✔	✔
American Cherry	2440 x 1220mm	✔	✔	✔	✔	✔	✔	✔
American Cherry	3050 x 1220mm	-	-	-	✔	-	✔	✔
Galician Pine	2440 x 1220mm	✔	✔	✔	✔	✔	✔	✔
American Maple	2440 x 1220mm	✔	✔	✔	✔	✔	✔	✔
European Oak	2440 x 1220mm	✔	✔	✔	✔	✔	✔	✔
European Oak	2440 x 1830mm	-	-	-	-	-	-	✔
European Oak	3050 x 1220mm	-	-	-	✔	-	✔	✔
Sapele C/C	2440 x 1220mm	✔	✔	✔	✔	✔	✔	✔
Sapele C/C	3050 x 1220mm	-	-	✔	-	-	✔	✔
Sapele Q/C	2440 x 1220mm	✔	✔	✔	✔	✔	✔	✔
American Black Walnut	2440 x 1220mm	✔	✔	✔	✔	✔	✔	✔
American Black Walnut	2440 x 1830mm	-	-	-	-	-	-	✔
American Black Walnut	3050 x 1220mm	-	-	-	✔	-	✔	✔

Decorative Veneered Plywood

Veneer Species	Size	3.6mm	6mm	9mm	12mm
Ash	2440 x 1220mm	✔	✔	✔	✔
European Oak	2440 x 1220mm	✔	✔	✔	✔

Decorative Veneered Birch Plywood

Veneer Species	Size	18mm
Ash	2500 x 1250mm	✔
American Maple	2500 x 1250mm	✔
European Oak	2500 x 1250mm	✔
Sapele	2500 x 1250mm	✔

Decorative Veneered Blockboard

Veneer Species	Size	18mm
European Oak	2440 x 1220mm	✔
Ash	2440 x 1220mm	✔

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	✓
Steamed Beech	2440 x 1220mm	✓
American Cherry	2440 x 1220mm	✓
American Cherry	3050 x 1220mm	-
Galician Pine	2440 x 1220mm	✓
American Maple	2440 x 1220mm	✓
European Oak	2440 x 1220mm	✓
Sapele Crown Cut	2440 x 1220mm	-
Sapele Quarter Cut	2440 x 1220mm	-
American Black Walnut	2440 x 1220mm	✓

Uses

Barfitting, shopfitting, cabinet work

Chipboard - Melamine Faced Panels

Colour	Size	15mm	18mm
White - Textured	2440 x 1220mm	✓	✓
White - Smooth	2440 x 1220mm	✓	✓
Cream	2440 x 1220mm	✓	✓
Black	2440 x 1220mm	✓	✓

MDF - Melamine Faced Panels

Colour	Size	15mm	18mm
White - Textured	2440 x 1220mm	✓	✓
White - Smooth	2440 x 1220mm	✓	✓
Cream	2440 x 1220mm	✓	✓
Black	2440 x 1220mm	✓	✓

Uses

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

Quality veneered panels to your specifications

Ash | Pine | Steamed Beech | American Cherry | American Maple

European Oak | Sapele C/C | Sapele Q/C | American Walnut

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

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.

Or alternatively,
Email: **sales@hanson-plywood.co.uk**
Fax: **01422 330706**

Veneer Specials by Finsa: a value-added selection for the most demanding projects

#TEX   #rustic oaks   #natural wood

01. **Fibranatur TEX**
A veneered MDF board with dimensional texture on one of the faces. Perfect for furniture fronts, wall panelling and other accent applications.

02. **Studio Natur**
A range of bespoke designs created by making a meticulous selection of veneers and many years experience of carefully joining them by hand.

03. **Special Cores**
A selection of veneered MDF boards available in Finsa's special baseboards, including black core and **certified class C fire retardant** veneered MDF.

FINSA

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

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.

H FIRE RETARDANT Panels

Fire Retardant Panels - Building Boards

Fire Retardant Panels - Classifications and Standards

A request we commonly receive is for panels with 1 hour or ½ hour fire rating.

These ratings relate to the concept of fire resistance and are typically associated with the ability of an elevation or door to withstand the passage of a fully developed fire for said amount of time.

Euroclass relates to the concept of reaction to fire and focuses on initial fire growth phase. A Euroclass rated panel may form part of a fire barrier system requiring 30 or 60 minutes fire resistance overall. We recommend that suitability of a Euroclass rated panel within the design is based upon 3rd party assessment or independent testing specific to the project in question.

There are 7 Euroclass classifications ranging from A1 to F. In line with the Construction Products Regulation (2013) each Euroclass rating requires testing against the relevant European fire test methods.

Hanson Plywood offer a range of panels manufactured with an A1 rating.

Untreated wood-based panels such as plywood, OSB, MDF and chipboard typically achieve a Euroclass D or E rating. Fire rated panels can be supplied to a Euroclass B or Euroclass C fire performance as required depending upon regulatory requirements.

Smartply FR OSB3 is available to either a Euroclass B and Bfl (flooring) fire performance (see table below).

Note: Bfl is a fire specification applicable to flooring applications only.

Class	Performance description	National Class (England & Wales)	National Test Standard (England & Wales)
A1	BS EN ISO 1182 BS EN ISO 1716	Non-combustible	BS 476: Part 4
A2	BS EN ISO 1182 BS EN ISO 1716 BS EN 13823	Limited combustibility	BS 476: Part 11
B	BS EN 13823 BS EN 11925-2	0	BS 476: Part 6 BS 476: Part 7
Bfl (Flooring only)	EN ISO 9239-1 EN ISO 11925-2	N/A	N/A
C	BS EN 13823 BS EN 11925-2	1 & 2	BS 476 : Part 7
D	BS EN 13823 BS EN 11925-2	3	BS 476: Part 7
E	BS EN 11925-2	4	BS 476 : Part 7
F	No performance determined	Unclassified	No Test

How this differs from the old standards...

Prior to the implementation of the Construction Products Regulation in July 2013, fire testing and classification for plywood, MDF, OSB and Chipboard 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 flame. 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 flame. 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.

UK Building Regulations

In England and Wales the fire requirements for buildings are dealt with by Approved Document Part B to the Building Regulations. Following the implementation of the Construction Products Regulation, Class 1 and Class 0 for plywood used in permanent construction were phased out in line with the Harmonised Product Standard BS EN 13986.

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.

H Fire Retardant
Panels

Specifying the correct fire retardant panels for your project

We offer a range of Euroclass B rated panels that meet the requirements of EN13501-1 which are intended to reduce flame spread and limit the contribution to the growth rate of a developing fire.

- Birch Plywood
- Chipboard
- OSB
- MDF
- Poplar Plywood - Lightweight

In addition, we offer a range of Resistant Building Boards (multi-purpose magnesium oxide panels). These are highly durable non-combustible Euroclass A1 rated panels meeting the requirements of EN13501-1.

We recommend consulting our trained technicians for detailed advice and guidance on all specifications and applications.

Fire Retardant Birch Plywood*
Euroclass B - EN 636-2 EN 314-2 Class 3 Bond E1 Glue CE marked

Thickness	12mm	18mm
Grade	B/BB	B/BB
1220 x 2440 / 2440 x 1220mm	✔	✔

*Other thicknesses available on request

Fire Retardant OSB
FSC® SmartPly – CE marked

Size	Product	Classification	11mm	15mm	18mm
2397 x 1197mm	FR OSB/3	Euroclass B	✔	✔	✔

*Structural, moisture resistant OSB/3 panel that achieves a Reaction to Fire Classification of B-s2, d0, and BfL-s1 (flooring) in accordance with EN13501-1.

Fire Retardant Poplar Plywood*
Euroclass B - EN 636-1 - EN 314-2 Class 3 Glue Bond - E1

Thickness	6mm	9mm	12mm	15mm	18mm	25mm
Grade	B/BB	B/BB	B/BB	B/BB	B/BB	B/BB
2500 x 1220mm	✔	-	-	-	✔	-
3100 x 1530mm	-	-	-	-	-	-

*Other thicknesses available to order

Uses
Public buildings, construction, offices, schools, hotels

Fire Retardant Spano Antivlam Chipboard*
Euroclass B - 70% PEFC Certified Material

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

Size	10mm	12mm	18mm
2500 x 1250mm	✔	✔	✔
3050 x 1250mm	✔	✔	✔

*Available to forward order

Uses
Stairwells, exit routes, lift shafts, corridors

Fire Retardant 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	B	B	B	B	B
2440 x 1220mm	✔	✔	✔	✔	✔	✔
3050 x 1220mm	✔	✔	✔	✔	✔	✔

Uses
Public buildings, exhibitions

BBA Accredited Magnesium Oxide Building Boards

Product and Applications	Density	BBA (Certificate 15/5255)	Internal Use	External Use	Cutting Method	Racking to BS594	Fire Rating (Refer to fire test reports for guidance)	Fire Resistance
multi-pro *Tile* Backer *Board* • Bathrooms and shower areas	1050kg/m³	✓	✓	Please follow the fitting and finishing guidance provided	Score and snap	✗	A1 Non-combustible	✗
multi-proXS • Highest strength passive fire protection board • Timber frame structural racking board • Stable and durable laminating substrate • Park home, volumetric and SIPS manufacturing	1050kg/m³	✓	✓	Please follow the fitting and finishing guidance provided	Score and snap	✓	A1 Non-combustible	Load and non-load bearing partition 60, 90 and 120 minutes
multi-pro • Fire rated stud partition walls • Soffit strips and cavity closers • Large sheet tile backer • Boiler backing board	1050kg/m³	✓	✓	Please follow the fitting and finishing guidance provided	Score and snap	✗	A1 Non-combustible	Non-load bearing partition 60 minutes. Up to 90 minutes for ceiling fire test
multi-rend • Render carrier board • Suitable for use with acrylic brick strips, stone cladding • Solid fuel surround	1050kg/m³	✓	✓	Please follow the fitting and finishing guidance provided	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
✓	✓	✓	✓	✓	✓	✓	✓	✓

Please visit our website to find out more information on our non-combustible panels: www.hanson-plywood.co.uk

BBA APPROVAL INSPECTION TESTING CERTIFICATION CERTIFICATE 15/5255

multi-pro

CE marked

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

Size	6mm	12mm
2400 x 1200mm	✓	✓

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

multi-proXS

CE marked

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

Size	6.5mm	9mm	12mm
2400 x 1200mm	✓	✓	✓
2700 x 1200mm	-	✓	-
3050 x 1200mm	-	✓	-

Uses

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

multi-pro
Tile Backer Board

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

Size	6mm	12mm
2400 x 1200mm	✓	✓
1220 x 1220	✓	-
1200 x 800mm	-	✓

Uses

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

multi-rend

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

Size	9mm	12mm
2400 x 1200mm	✓	✓

Uses

Render carrier board for timber/steel frame structures, modular construction, park homes

Panel Processing

Cutting, machining and laminating services

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.
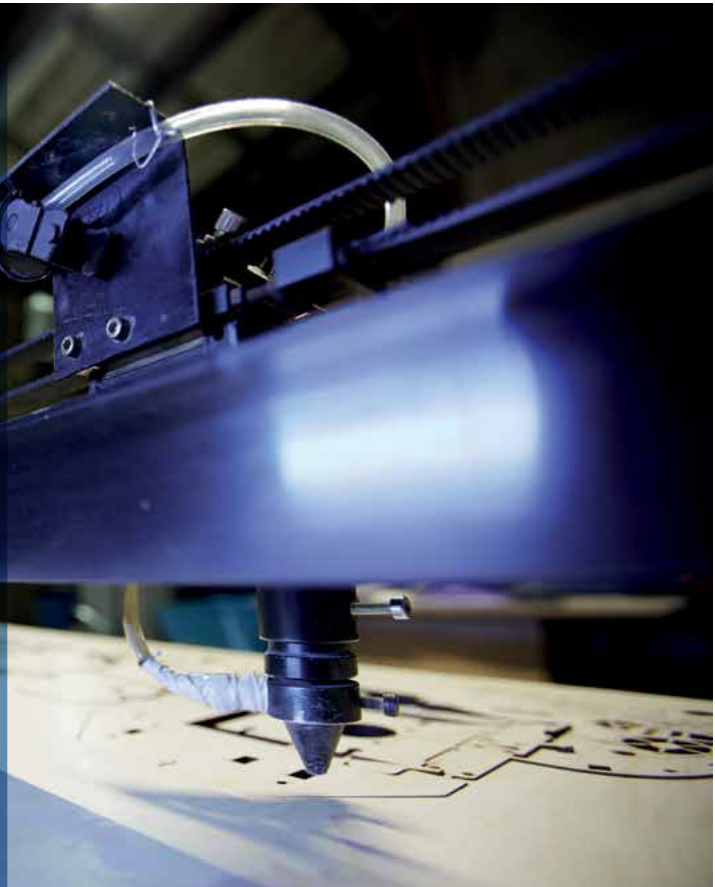
Service tailored to the clients' individual requirements across a large number of industries

Appendices

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

HSP101
Flooring Plywood®

www.theplywoodspecifiersguide.co.uk

www.hanson-plywood.co.uk

www.sp101.co.uk

www.hanson-plywood-showroom.co.uk

Conversion Tables

Imperial to metric

Imperial	Metric
1 inch	25.4mm
1 sq ft	0.0929m²
1m²	10.76 sq ft
1m³	35.315 cu ft

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

Equivalent panel sizes

Imperial		Metric	
5' x 4'	20 sq ft	1525 x 1220mm	1.8605m²
5' x 5'	25 sq ft	1525 x 1525mm	2.3256m²
6' 6" x 2' 3"	14.63 sq ft	1981 x 686mm	1.3590m²
6' 6" x 2' 6"	16.5 sq ft	1981 x 762mm	1.5095m²
6' 6" x 2' 9"	18 sq ft	1981 x 838mm	1.6600m²
7' x 3'	21 sq ft	2135 x 915mm	1.9535m²
8' x 4'	31 sq ft	2400 x 1200mm	2.88m²
8' x 4'	32 sq ft	2440 x 1220mm	2.9768m²
8' x 5'	40 sq ft	2440 x 1525mm	3.7210m²
8' x 6'	48 sq ft	2440 x 1830mm	4.4652m²
8' 4" x 6' 8"	56 sq ft	2550 x 2050mm	5.2275m²
8' 6" x 6' 9"	57.38 sq ft	2620 x 2070mm	5.423m²
9' x 5'	45 sq ft	2745 x 1525mm	4.1861m²
9' x 6'	54 sq ft	2745 x 1830mm	5.0234m²
9' 2" x 6' 9"	62 sq ft	2800 x 2070mm	5.7960m²
10' x 4'	40 sq ft	3050 x 1220mm	3.7210m²
10' x 5'	50 sq ft	3050 x 1525mm	4.6513m²
10' x 6'	60 sq ft	3050 x 1830mm	5.5815m²
12' x 6'	72 sq ft	3660 x 1830mm	6.698m²

Hanson
PLYWOOD LIMITE

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