THE TIMBER SPECIALISTS

Roofing Batten | Carcassing | Scaffold Boards | Cedar Shingles | OSB | Sheet Materials

THE TIMBER SPECIALISTS

SR TIMBER is a leading supplier of specialist timber roofing and construction products in the UK.

Quality, consistent supply and expertise

The SR Timber team has decades of experience in producing and supplying timber construction products consisting of graded roofing battens, carcassing timber and cedar shingles all the way through to Oriented Strand Board (OSB), chipboard flooring and scaffold boards. This background in the industry means our knowledgeable staff have an expert understanding of the whole market and know what our customers need – a guaranteed supply of quality timber materials.

With one of the largest roofing batten production facilities in Europe and contacts with other leading timber sawmills from across Scandinavia, Latvia and the Baltic states, to as far afield as Canada, means we can deliver regular shipments to our holding terminals across the UK resulting in consistent flow of availability.

Fully certified and approved

You can be confident in the products supplied such as our SR Timber PREMIUM GOLD® roofing batten which is underpinned by a 60-year treatment service life warranty.

Our fully graded SR Timber PREMIUM GOLD® roof batten is stamped to BS 5534:2014 + A2:2018, and is certified by an independent third party accreditation recognised by controlling bodies, local authorities and home warranty providers such as the NHBC. So when only the very best roofing timber will do, SR Timber can provide.

In addition we are active members of a number of key trade associations including; NFRC and Timber Development UK. Through these connections, we make a major contribution to the usage, management and sustainability of timber products in the construction industry.

The Journey from TREE to YARD

SR TIMBER'S
MATERIALS ARE SOURCED FROM
LATVIA

START

1
SR TIMBER'S
SAWMILL PURCHASE
THE RAW
MATERIALS

2
ON ARRIVAL AT THE SAWMILL
THE LOGS ARE GRADED BY...
LENGTH, DIAMETER
& QUALITY

3
EACH LOG PASSES THROUGH A
DEBARKING
MACHINE & IS THEN
CUT INTO BOARDS

9
PRODUCTS ARE
TRANSPORTED FROM
THE HOLDING BAY TO THE
PORT OF RIGA

10
STOCK IN STORAGE
AWAITING SHIP
TO ARRIVE

11
SHIPPING IS AN
AVERAGE OF
5 DAYS
DEPENDING ON WEATHER
& DESTINATION

12
SHIPMENTS ARRIVE INTO
OUR DEDICATED PORTS AT
IMMINGHAM
& CARDIFF

BOARDS ARE CUT INTO BATTENS & **GRADED TO** BS 5534:2014 + A2:2018

5

4

THE BOARDS ENTER A **KILN DRYING PROCESS**

6

AUTOMATED PACKAGING PROCESS... **BATTENS ARE** BUNDLED INTO 10'S THEN ASSEMBLED INTO **SHIPPING PACKS**

PRODUCTION PROCESS COMPLETE

8

BATTENS ARE TRANSFERRED TO A HOLDING BAY FOR FINAL **INSPECTION**

7

SHIPPING PACKS THEN ENTER A **TREATMENT PROCESS**

FINISH

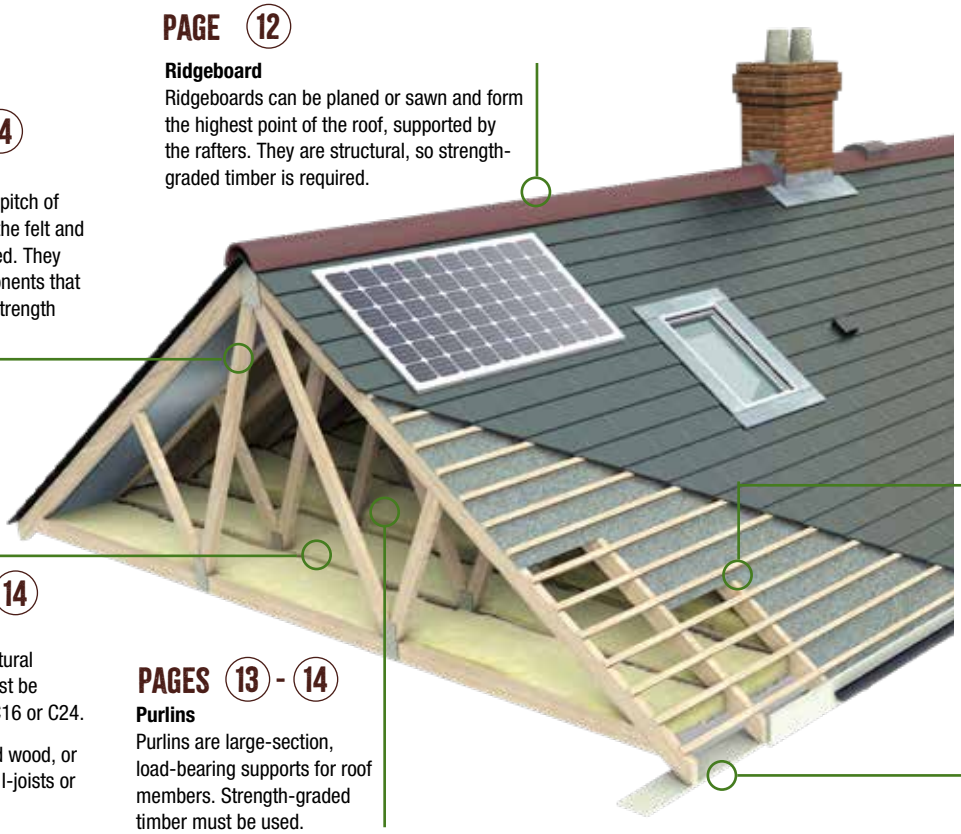
CUSTOMER RECEIVES THEIR ORDER

13

CUSTOMERS ORDERS RECEIVED & PROCESSED READY FOR **COLLECTION & DELIVERY**

THIS PROCESS IS AN ONGOING CYCLE ENABLING SR TIMBER TO OFFER REGULAR AND PROMPT DELIVERIES.

Contents



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Ridgeboard
Ridgeboards can be planed or sawn and form the highest point of the roof, supported by the rafters. They are structural, so strength-graded timber is required.

PAGE 13 - 14

Rafters
The rafters form the pitch of the roof onto which the felt and tiling battens are fixed. They are structural components that should be cut from strength graded timber.

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Roof Battens
Roofing Battens support the tiles and are nailed to the rafters through a felt underlay. They carry a high load and must be strength-graded and preservative treated.

BS 5534 provides grading rules for battens.

There are two cross sections for battens, 25 x 38mm and 25 x 50mm. Generally, the narrower is used for tiles and the wider one for slates.

PAGES 13 - 14

Wall Plate
The Wall Plate provides a horizontal base for the bottom of the roof, acting as a fixing point for ceiling joists and rafters. There is no requirement to use strength-graded timber.

PAGES 13 - 14

Floor Joists
Floor joists are structural components and must be strength-graded to C16 or C24.

Joists can be of solid wood, or engineered, such as I-joists or metal web joists.

PAGES 13 - 14

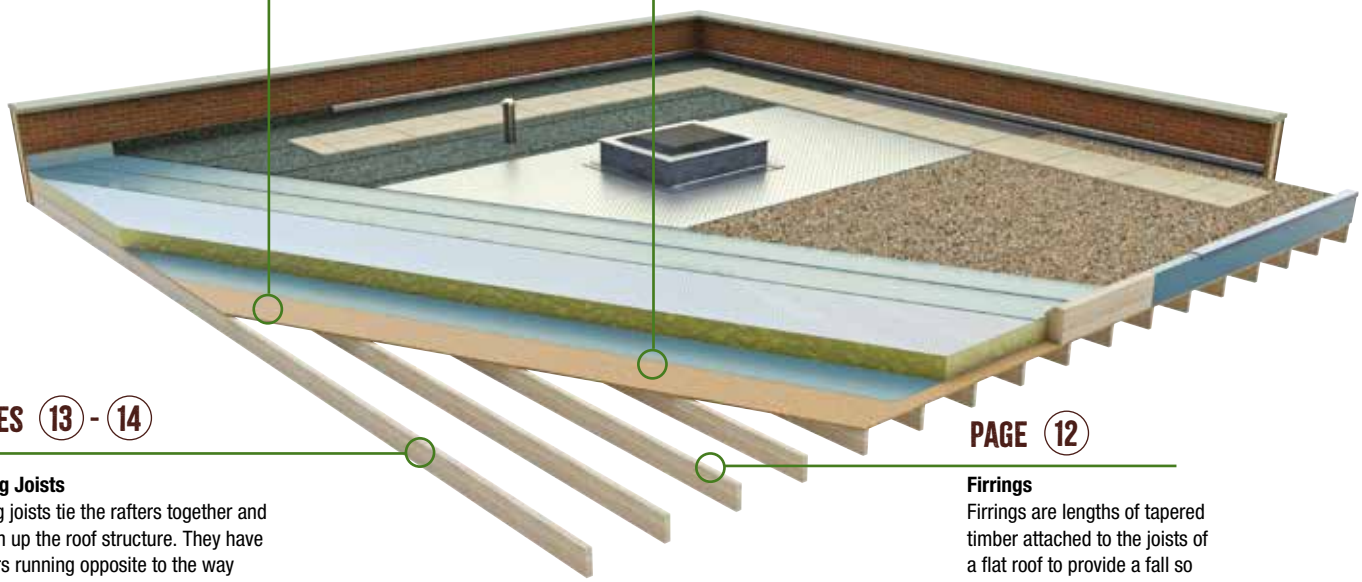
Purlins
Purlins are large-section, load-bearing supports for roof members. Strength-graded timber must be used.

PAGES 24 - 25

Plywood
Available in a range of wood species including hard wood and soft wood, suitable for structural and exterior use.

PAGES 19 - 21

Oriented Strand Board (OSB)
A strong, versatile board suitable for structural use with excellent load bearing properties. Ideal for flat roofing as well as other roofing, flooring and sheathing applications.



PAGES 13 - 14

Ceiling Joists
Ceiling joists tie the rafters together and tighten up the roof structure. They have binders running opposite to the way they are laid. Both of these components are structural and should be made from strength graded timber.

PAGE 12

Firrings
Firrings are lengths of tapered timber attached to the joists of a flat roof to provide a fall so that the roof drains. Preservative treatment timber must be used.

SR Timber PREMIUM GOLD® Batten

- SR Timber PREMIUM GOLD® is our highest grade of roofing batten, incorporating a unique and distinctive gold colouration.
- SR Timber PREMIUM GOLD® roof battens are produced in Latvia, then imported as a finished product to our timber terminals.
- Fully compliant to all relevant Codes of Practice: BS 5534:2014+A2:2018 and BS 8417:2011+A1:2014 (Preservation of Wood).
- Available in both 25mm x 38mm and 25mm x 50mm profiles and lengths from 3.0m up to 5.4m in increments of 300mm.

Product Code	Dimensions (nominal)	Dimensions (finished)	Pack size (PCS)	Lengths Available
10238687	25x38mm	25x38mm	560	3.6-5.4m
10238688	25x50mm	25x50mm	440	3.6-5.4m
10715211	25x50mm	25x50mm	440	3.0m
10722049	25x50mm	25x50mm	440	3.6m

10238687

10238688

- **A trusted trademarked brand:** Our unique and distinctive gold colour. Peace of mind you are installing and working with a British Standard product
- **Relevant Code of Practice:** BS 8417:2011+A1:2014 (Preservation of Wood) and BS 5534:2014+A2:2018*
- **Third party accreditation:** regularly audited by CATG (UKAS Accredited) to ensure continued and consistent application of British Standards.
- **Full to size:** Batten thickness minimum 25mm (allowed tolerances -0mm/+3mm). Batten width 38mm or 50mm (allowed tolerances -3mm/+3mm). Gold batten will be consistent in dimension.
- **Full Chain of Custody certification FSC:** Ask for our FSC®-certified products
- **Vacsol® 6118 Aqua Preservative**: Treated to BS 8417:2011+A1:2014* Impregnated to Use Class 2 by double vacuum/ low pressure water based preservative. Protection with a standard 60 year service life against insect attack and wood rotting fungi. (When used correctly and installed above dpc level in buildings.)
- **Product stamped showing:** Producer, Graded BS 5534, Imported, Size, CATG (our 3rd party independent accreditation marking)
- **Wood Protection Association:** WPA Quality Approval Certification Audited as an approved treater and capable of producing treated wood to the correct Use Class(es). Use class of treatment is stated on a all documentation
- **Each delivery is accompanied with documentation stating:** Supplier, imported, graded in accordance with BS 5534, sizes, type of treatment
- **Factory graded roofing battens:** We control by; firstly, automated and visual grading of the raw material, the second process is actually grading every piece of produced batten at commercial speed - grading consists of checking dimensions, knot sizes, wane, fissures and splits, slope of grain, rate of growth, distortion, decay, insect attack and sap stain, are all within the requirements set out in BS 5534.
- **Kiln dried to the correct levels:** Firstly ensuring the timber is at the correct moisture content to enable the treatment process works correctly, then the final product - graded roofing batten, will be treated correctly and will conform to BS 8417 - having sufficient treatment within the material to Use Class 2, and giving a 60 year service life.

Recommended Minimum Timber Batten Sizes

(Roofing and Vertical Work)

APPLICATION	BASIC MINIMUM SIZE OF BATTENS			
	up to 450mm Span		up to 600mm Span	
	Width mm	Depth mm	Width mm	Depth mm
SLATES (double lap)				
Natural - sized or random	50	25	50	25
Fibre-cement or concrete	38	25	50	25
CLAY and CONCRETE TILES				
Double lap	38	25	38	25
Single lap	38	25	50	25

We recommend that gloves are worn at all times when handling treated and untreated timber products.

For more hygiene, technical, handling and disposal information on our full range of products, visit:

www.sr-timber.co.uk

SR Timber Batten Shield - Batten End Seal

- Makes batten cut ends compliant with BS 5534
- Prevents water damage
- Non-drip cream structure
- 0% VOC (Volatile Organic Compounds)
- Non-film-forming (Does not flake off)
- Reduces the risk of micro-organism growth & frost damage

Product Code	Colour	Pack Size	Box Qty
10691944	Gold	1 litre tin	6 Tins

4 Tips for recognising BS Batten

How to spot counterfeit roofing batten and identify a true graded batten

TIP ONE Sizing

- ✓ Check batten **isn't undersize** on both the thickness and the width
  - Minimum 25mm on the thickness, and to a maximum 28mm (allowed tolerances -0mm/+3mm)
  - Minimum 35mm to a maximum of 41mm for 38mm sized batten
  - Minimum 47mm to a maximum of 53mm for 50mm sized batten
- ✓ Good graded batten will be **consistently sized** in both thickness and width, and at a minimum with allowed tolerances

TIP TWO Markings

Counterfeit batten may still be stamped, however with missing/ incorrect markings.

Check to ensure the marking/stamping on each piece of batten shows...

- ✓ **Supplier** (Manufacturer)
- ✓ **Origin** - Imported and/or species code (either is permitted)
- ✓ **'Graded BS 5534'** (must state both graded and BS 5534)
- ✓ **Size** (25x38 or 25x50)
- ✓ Those companies who follow industry best practice recommended by NFRC/Timber Development UK will also apply **3rd party accreditation markings** which records independent compliance and management records of the production of graded battens

TIP THREE Due Diligence

The British Standard which contains the rules that slating and tiling battens need to be graded to is...

BS 5534:2014+A2:2018

All documentation should show the following as a minimum, e.g. on delivery notes.

- ✓ Name of supplier
- ✓ Origin (imported and/or species code)
- ✓ Graded in accordance with BS 5534
- ✓ Basic size or sizes
- ✓ Type of preservative and method of treatment, if applicable (the vast majority of batten required is specified and needs to be treated - so the preservative and method should be shown)

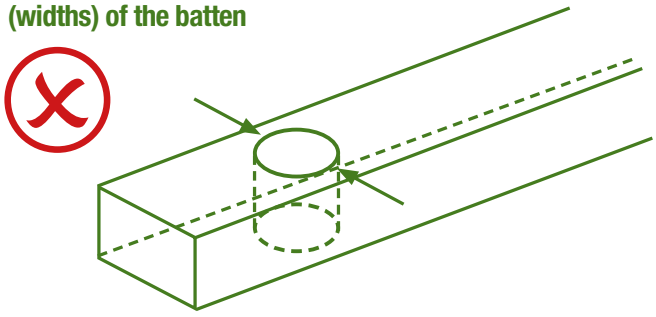
Good suppliers also state, and should also offer, the following.

- ✓ Full Chain of Custody, e.g. FSC. Ask for our FSC®-certified products.
- ✓ As well as showing imported, good suppliers also state the species name within their documentation
- ✓ 3rd Party Accreditation (their ID markings/who it is)
- ✓ Use Class information (BS 8417 preservative treatment)
- ✓ Paperwork may also contain useful information such as confirmation of treatment by the UK WPA benchmark scheme

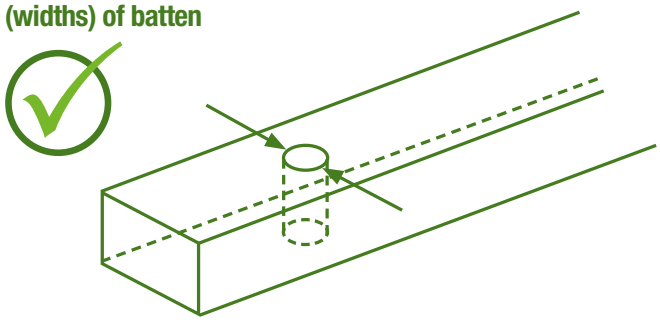
TIP FOUR Knots

- ✓ Check **size of knots** on each face - 38mm / 50mm part of the batten
- ✓ **Max** 5mm knot rule, this is for knots running edge to edge, thickness only (see below)
- ✓ **Wane** permitted on one arris only - should not exceed one third of the batten dimension
- ✓ **Bow, spring or twist** should each be not greater than 5mm, measured over a length of 1.2m
- ✓ **Moisture content** of the batten should not exceed 22% at time of fixing (heavy batten may indicate wrong moisture content)

More than half size on both faces (widths) of the batten



Less than half size on both faces (widths) of batten



The rule on knots can be quite complicated, but essentially, any large knot which is bigger than half the width of the batten, appearing on both sides of the face (width), as illustrated above, would not be compliant to BS 5534.

Knots which are less than a palms width apart, best practice should be to take both knots into consideration as one overall knot, when assessing the knot size is within tolerances of BS 5534.

5mm Rule

Knots over 5mm running through the batten edge to edge (25mm) is not compliant with BS 5534.

'Through' edge knot greater than 5mm in diameter

'Through' edge knot less than 5mm in diameter

Edge knot running across face: greater than 5mm on an edge

Treated Roofing Timber

SR Timber's range of treated speciality roofing timber are either manufactured at our partner sawmill in Latvia or sourced via carefully selected 3rd party production partners across Europe. Many of these timbers are smaller in section making them more difficult to produce and therefore not as widely available to source as other construction timber. SR Timber have long standing relationships with our partner mills giving us the contrinuity of supply our customers need and have come to expect.

If there are other sizes / dimensions you require, please ask as we may well be able to supply.

Sawn & Treated Batten

Product Code	Dimensions (nominal)	Dimensions (finished)	Pack Size	Lengths Available
10238610	19x38mm	19x38mm	700	3.0m-5.4m
10238620	25x38mm	25x38mm	560	3.0m-5.4m
10238621	25x50mm	25x50mm	440	3.0m-5.4m

10238620

Treated Counter Batten

Product Code	Dimensions (nominal)	Dimensions (finished)	Pack Size	Lengths Available
10238617	6x25mm	6x25mm	5000	2.1m/2.4m
10692408	11x38mm	11x38mm	1120	3.0m
10692415	11x50mm	11x50mm	880	3.0m
10692418	19x50mm	19x50mm	440	3.0m-5.4m
10692419	38x50mm	38x50mm	300	3.0m-4.8m


10692415


10692436

Treated Board & Sarking

Product Code	Dimensions (nominal)	Dimensions (finished)	Pack Size	Lengths Available
10720273	19x150mm	19x150mm	240	4.2m/4.8m
10692435	22x100mm	22x100mm	Varies	Varies
10692436	22x150mm	22x150mm	Varies	Varies


10238658

Treated Firring

Product Code	Dimensions (nominal)	Dimensions (finished)	Pack Size	Lengths Available
10238658	47x50mm	47x50mm	200	Varies


10692424

Treated Arris / Tilt Fillet

Product Code	Dimensions (nominal)	Dimensions (finished)	Pack Size	Lengths Available
10692424	47x50mm	47x50mm	480	Varies
10692421	47x100mm	47x100mm	240	Varies


10692428

Treated Lead Roll

Product Code	Dimensions (nominal)	Dimensions (finished)	Pack Size	Lengths Available
10692428	50x50mm	50x50mm	200	2.4m

Treated Carcassing

Carcassing is normally British or European Whitewood (Spruce). It will be strength graded to C16 for general structural applications in floors, walls and roofs. The higher strength class C24 is intended for longer span or greater load applications.

Other species may also be available for more specialist applications such as European Redwood (Pine), which takes preservative treatment well and so is ideally suited for structural exterior Use Class 4 applications, including deck joists and substructures.

- Carcassing is mostly supplied machined, which means consistent sizes and reduced splinters for the safety of construction workers. This is also why edges are 'eased'.
- It can be supplied untreated or preservative treated, so make sure you get the Use Class treatment level right for the customer's intended end use. Most Carcassing is only supplied treated to Use Class 2 - suitable only for applications within the building envelope.

Product Code	Dimensions (nominal)	Dimensions (finished)	Pack Size	Lengths Available	Product Grade
10714195	47x50mm	45x45mm	242	2.4-6.0m	Ungraded
10692425	47x75mm	45x70mm	154	2.4-6.0m	C16
10692420	47x100mm	45x95mm	121	2.4-6.0m	C24
10692422	47x125mm	45x120mm	99	2.4-6.0m	C24
10692423	47x150mm	45x145mm	77	2.4-6.0m	C24
10692432	47x175mm	45x170mm	66	2.4-6.0m	C24
10692433	47x200mm	45x195mm	55	2.4-6.0m	C24
10692434	47x225mm	45x220mm	55	2.4-6.0m	C24

10692434

Softwoods

Whitewood and Redwood (Spruce & Pine) merchant grades are normally C16 and C24. Softwood strength classes can range from C16 to C30 by special order.

Machine grading marks

Machine-graded softwoods are graded to BS EN 14081 - part 2. The letter M indicates the timber has been machine graded directly to the marked strength class.

Visual grading marks

Visually strength-graded softwoods are graded to BS EN 4978.

- GS indicates suitability for General Structural purposes
- SS indicates suitability for Special Structural purposes.
- For most species GS is strength Class C16 and SS is C24.

Check you're selling the right strength graded material

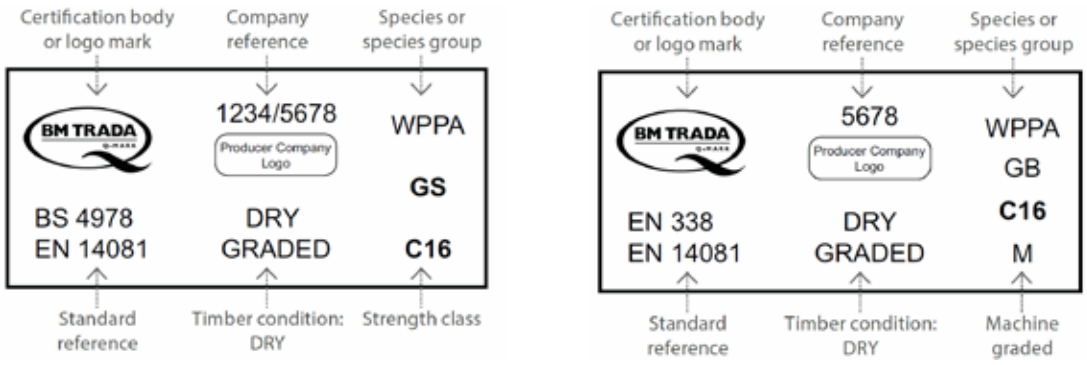


Image Credit: Timber Development UK

Untreated Carcassing

As well as treated carcassing, SR Timber offer a range of untreated carcassing alternatives. Likewise, these are normally British or European Whitewood (Spruce) and will be strength graded to C16 or the higher strength class, C24.

Product Code	Dimensions (nominal)	Dimensions (finished)	Pack Size	Lengths Available	Product Grade
10707357	47x50mm	45x45mm	242	2.4-6.0m	Ungraded
10707358	47x75mm	45x70mm	154	2.4-6.0m	C16
10707359	47x100mm	45x95mm	121	2.4-6.0m	C24
10707361	47x125mm	45x120mm	99	2.4-6.0m	C24
10707363	47x150mm	45x145mm	77	2.4-6.0m	C24
10707364	47x175mm	45x170mm	66	2.4-6.0m	C24
10707365	47x200mm	45x195mm	55	2.4-6.0m	C24
10707366	47x225mm	45x220mm	55	2.4-6.0m	C24

Canadian Lumber Standard (CLS)

The most common form of timber for studding and creating internal partitions is CLS, which is supplied regularised (surfaced) with eased edges. It is usually made from kiln-dried Whitewood (Spruce) and strength graded to C16.

Product Code	Dimensions (nominal)	Dimensions (finished)	Pack Size	Lengths Available	Product Grade
10692430	50x75mm	38x63mm	448	2.4/3.0/4.8m	C16
10692431	50x100mm	38x89mm	336	2.4/3.0/4.8m	C16

10692431

Cedar Shingles & Ridge

Blue Label 5X Western Red Cedar Shingles are the highest grade of shingles available. Cedar is naturally insect and rot resistant requiring no further treatment and sourced from sustainable forests in Western Canada. After weathering they will adopt a silvery grey shade.

SR Timber offer both treated and untreated options on our range of Shingles and Ridge to suit varying applications. It advised to check NFRC technical guidance notes on fixing cedar shingles and if treatment advised, this tends to be calculated on geographical location of which the product is to be fixed. Good practice is to also follow specification and fixers advice.

Western Red Cedar 16 inch Blue Label Shingles

Product Code	Pack Size	Treatment
10532816	2.28m²	Y
10667211	2.28m²	N

10667211

Western Red Cedar 18 inch Blue Label Ridge

Product Code	Pack Size	Treatment
10532819	4.5lm	Y
10532818	4.5lm	N

10532819

Stainless Steel Nails 31 x 1.8mm

Product Code	Pack Size
10238685	1kg

Colour	Natural, varying reddish brown to pale yellow
Grade	Blue Label, 100% Heartwood, 100% Edge Grain and 100% Clear
Size	400mm long, random widths 75mm - 350mm
Thickness	10mm at the butt, tapering
Profile	Sawn both sides, rectangular
Max. Pitch	90°
Min. Pitch	14°
Min. Side Lap	38mm

Pitch	Max Gauge	Coverage m2 per bundle
90°	190mm	3.47
22-90°	125mm	2.28
14-22°	95mm	1.73

- Recommended fixings are 31mm x 1.8mm annular ring nails in stainless steel.
- Each shingle should be fixed with two nails.
- 1kg of nails will be required for every 4 bundles of shingles.

Recommended Roofing battens SR Gold BS 5534:2014 + A2:2018

90°	25 x 50	5.3m - Battens per m2
450mm centres	25 x 38	8.0m - Battens per m2
600mm centres	25 x 38	10.5m - Battens per m2

- We recommend that gloves are worn at all times when handling timber products.

Preservative Treated Wood

Preservative treatment provides wood with added durability. However, it's a mistake to assume that all pressure treated wood is the same. Whilst one piece of treated wood may look very much like any other, the level of preservative protection could be very different. That's because national technical standards for wood preservation require that the loading and penetration of preservative, impregnated into the wood, is tailored to the desired end use.

WPA
Wood Protection Association

* This information has been taken from the WPA Buyers Guide to Preservative Treated Timber

The WPA Code of Practice for Industrial Wood Preservation (January 2021) groups the applications for treated wood into Use Classes, the main three being:

INTERIOR	EXTERIOR	
USE CLASS 2	**USE CLASS 3(u)**	**USE CLASS 4**
Above the ground or DPC, covered	Above the ground *(uncoated)*	Ground or fresh water contact (and exterior structural support)
Internal construction timbers within the building envelope: **Tiling battens, framing and roof timbers, internal joists, sole plates.**	External construction timbers: **Deck boards, cladding (inc. battens) fencing panels, rails and boards.**	External construction timbers: **Fence posts, agricultural timbers, retaining walls, playground equipment, decking posts, joists and beams.**

Find an accredited supplier

The Wood Protection Association (WPA) administers a series of Quality Approval Schemes which cover timber treatment formulations, processes and products – providing valid independent assessment and verification.

To find suppliers of treated timber certificated under the WPA Benchmark preservative treated wood (TW) scheme, visit: www.thewpa.org.uk/member-products-services

Benchmark APPROVED TREATER WPA

Check List

Buying and Using Preservative Treated Wood

Make sure it's Use Class 4 GROUND CONTACT

✔	**DO** establish the Use Class of the timber you need, before ordering.
✔	**DO** tell your supplier in writing, that the wood must be treated to that particular Use Class to comply with BS 8417.
✔	**DO** ask your supplier to verify that the wood supplied meets your Use Class specification – on the delivery note and invoice or a treatment certificate. When buying from stock always check which Use Class the wood has been treated to.
✘	**DO NOT** substitute wood that has been treated for an indoor application for use in an external application – failure is inevitable.
	For wood in permanent ground or fresh water contact, or providing exterior structural support, Use Class 4 levels of protection MUST be achieved. Anything less and service life, structural safety and customer satisfaction will be compromised.
✘	**DO NOT** supply wood that has been treated for external use for what you know will only be internal applications. Fitness for purpose works both ways – unnecessary overtreatment is no more best practice than under treatment. Buy and sell the right product for the job. Use Class 3 treated wood is unnecessary for internal use and is not superior to Use Class 2 material for that application.
✘	When cross cutting, notching or boring treated timber products during installation, **ALWAYS** apply an end grain preservative treatment to freshly exposed areas – to maintain the integrity of the protection. **NEVER** put cut ends in the ground, even if end grain coated.

*This information has been taken from the WPA Buyers Guide to Preservative Treated Timber

Scaffold Boards

Scaffold Boards are produced to the highest standards and imported as a finished product to our timber terminal here in the UK. You can rest assured that all Scaffold Boards are fully compliant to BS 2482:2009. Furthermore, Scaffold Boards have achieved CATG 3rd party accreditation meaning our boards are of the highest level of quality and safety.

Product Code	Dimensions (nominal)	Dimensions (finished)	Pack Size	Lengths Available
10692050	36x225	36x225	110	3.9m

	BS 2482:2009	MEETS THE STANDARD
SAFE SUPPORT SPAN	1.2m (see end bands)	✔
GRADING METHODS	Machine or Visual	✔
TESTING	100% Inspection	✔
IDENTIFICATION	CATG	✔

10692050

Scaffold Board performance:

To help you use the most effective boards for your scaffold, here are some of the strength properties from BS 2482:2009:

Target board Thickness	Target Span	Working moment of resistance of a single board where:	
mm	m	An applied load acts only on an individual board kNm	An applied load is spread uniformly* across a minimum of 4 boards kNm
38	1.2	0.50	0.61

Care and maintenance

Scaffold Boards are made to last, however for good practice, and in order to maintain their condition, here are some guidelines:

- The end bands should be checked and replaced if necessary after use and any loosened/missing nails should be replaced.
- If a board shows signs of being accidentally dropped or otherwise abused, it should be discarded.
- All nails, screws, etc. should be removed and the board checked for damage.
- Limited splits in the length of the board are permissible- those less than 12mm deep are acceptable. If deeper, they should not exceed 225mm in length; they may be repaired using nail plates. Splits running across the board are not permitted. A board may be cut to shorten it to bring it within the requirements.
- Any board with a cut deeper than 2mm that is not parallel to the board edge, should be shortened to remove the cut.
- Any board that has been notched should be shortened to remove the notch.
- If there is any sign of rot or decay the board should be discarded.
- All boards should be stored dry and have any concrete removed.
- Stored boards should be regularly checked for signs of decay, especially fungus and wet rot.
- Boards should be stored with a regular flow of air around them and should not be left close piled for more than 3 months.

Oriented Strand Board (OSB)

OSB is an engineered wood-based panel material in which long strands of wood are bonded together with a synthetic resin adhesive. OSB is usually composed of three layers, with the strands of the outer two layers orientated in a particular direction, more often than not in the long direction of the panel. It is used extensively for the roof, wall, and floor sheathing in residential and commercial construction.

SMARTPLY MAX

SMARTPLY MAX is a strong, versatile board suitable for structural use in humid conditions (service Class 1 and 2), ideal for applications as diverse as roofing, flooring and wall sheathing etc.

SMARTPLY MAX is a moisture resistant load-bearing panel designed for use in humid conditions and is therefore ideal for many structural and non-structural applications in both internal and protected external environments.

Manufactured in accordance with BS EN 300:2006, it is the perfect choice for roofing, flooring, wall sheathing and many other applications where strength and moisture resistance are paramount.

Features/Benefits:

- FSC® Certified
- Durable
- Versatile
- Sustainable
- No added formaldehyde

Thicknesses and sizes

Standard Sizes	1197 x 2397	1220 x 2440	1250 x 2500	1197 x 2697	1197 x 2997
Available Thicknesses	9mm, 11mm, 15mm, 18mm, 22mm	8mm, 9mm, 11mm, 15mm, 18mm, 22mm, 24mm	9mm, 11mm, 15mm, 18mm, 22mm	9mm, 11mm, 15mm	9mm, 11mm, 15mm

Suitability:

It is versatile, strong and cost-effective. Manufactured with exterior resins, SMARTPLY MAX is suitable for both interior and exterior structural applications such as roofing, flooring and wall sheathing.

Product Code	Product Description	Thickness (mm)	Length (mm)	Width (mm)	Pack Size	Product Grade
10268993	SMARTPLY MAX	9	2397	1197	100	OSB/3
10268988	SMARTPLY MAX	11	2440	1220	82	OSB/3
10268987	SMARTPLY MAX	18	2440	1220	50	OSB/3

SMARTPLY MAX T&G

SMARTPLY MAX T&G is a moisture resistant load-bearing panel designed for use in humid conditions and is therefore ideal for many structural and non-structural applications in both internal and protected external environments.

Manufactured to the same exacting standards as SMARTPLY MAX but with the addition of tongue and grooved edges.

Ideal for numerous load bearing applications such as roofing and flooring. SMARTPLY MAX T&G along with all other SMARTPLY products carries the FSC® certification conformity assessed (CE, UKCA) to EN 13986:2004+A1:2015

Features/Benefits:

- FSC® Certified
- Moisture Resistant
- Sustainable
- Tongue & Groove Edge Profile
- No added formaldehyde

Thicknesses and sizes

Standard Sizes	1200 x 2397	1220 x 2397	1220 x 2440	590 x 2440	600 x 2440
Available Thicknesses	22mm	15mm, 18mm	18mm, 22mm	15mm, 18mm	15mm, 18mm, 22mm

Suitability:

SMARTPLY MAX T&G is suitable for roofing and flooring applications in humid conditions (Service Class 1 & 2).

Product Code	Product Description	Thickness (mm)	Length (mm)	Width (mm)	Pack Size	Product Grade
10268990	SMARTPLY MAX T&G	18	2400	600	100	OSB/3

SMARTPLY ULTIMA

SMARTPLY ULTIMA is an engineered wood panel (OSB/4) suitable for the most demanding structural applications including in offsite manufacturing and construction.

SMARTPLY ULTIMA is manufactured using state of the art ContiRoll® technology consisting of moisture resistant and formaldehyde-free bonding of wood strands, precision strand orientation and continuous pressing to produce large panels up to 2.8m wide by 7.5m long and to a maximum thickness of 40mm.

It is a cost-effective alternative in humid and high-load structural applications when compared to a similar performing structural plywood.

Features/Benefits:

- FSC® Certified
- OSB/4 panel
- Ideal for timber frame and construction projects with large spans
- Enhanced moisture resistance compared to OSB/3
- Improved rigidity
- Suitable For LEED And BREEAM Projects

Thicknesses and sizes

Available Thicknesses	18mm	22mm
Standard Sizes	1220 x 2440 1250 x 2500	1197 x 2397

Suitability:

SMARTPLY ULTIMA is for use in demanding structural applications such as: offsite construction systems, commercial and industrial buildings and site-based timberframe construction.

Product Code	Product Description	Thickness (mm)	Length (mm)	Width (mm)	Pack Size	Product Grade
10701845	SMARTPLY ULTIMA	18	2440	1220	50	OSB/4

Chipboard Flooring

Chipboard is made from a mixture of wood types such as wood chips, sawdust, shavings, etc, which are mixed with resin, compressed and dried. It is available in different forms such as three-layer, moisture-resistant and cement-bonded.

Chipboard technical classes are defined in BS EN 312 and range from P1-P7, but for merchants, the following are probably most critical:

- **P1:** General purpose boards for use in dry conditions
- **P2:** boards for interior fitments (including furniture) for use in dry conditions
- **P3:** non-load-bearing boards for use in humid conditions
- **P5:** load-bearing boards for use in humid conditions, most commonly seen as T&G Particleboard flooring
- **P6:** heavy duty load-bearing boards for use in dry conditions, most ofter used as a specialist mezzanine floor product.
- It's important to remember that moisture-resistant does not mean 'waterproof'.

Product Code	Product Description	Thickness (mm)	Length (mm)	Width (mm)	Pack Size	Product Grade
10522593	KRONOSPAN Chipboard 18mm P5 Moisture Res TG 600mm x 2400mm FSC®	18	2400	600	90	P5
10522595	KRONOSPAN Chipboard 22mm P5 Moisture Res TG 600mm x 2400mm FSC®	22	2400	600	74	P5
10564408	KRONOSPAN Fast Clean Chipboard 22mm x 600mm x 2400mm T&G FSC®	22	2400	600	74	P5
10622645	KRONOSPAN Fast Protect Chipbrd 22mm x 600mm x 2400mm T&G FSC®	22	2400	600	74	P5

Chipboard P5 Tongue and Grove (T&G)

Kronobuild® P5 is a moisture resistant load-bearing flooring board available in 18 mm and 22 mm thickness for use in dry and humid conditions for both domestic and commercial applications.

Characteristics

- Increased resistance to humid conditions
- Low swelling in thickness
- Simple processing with conventional woodworking tools
- Smooth surface

Applications

- For domestic and commercial new builds
- Refurbishments
- Structural flooring

Standard

- EN 312 - type P2; EN 13501-1: class D-s1, d0
- EN 13986:2004+A1:2015

Formaldehyde class

E1

Dimensions Size (mm)	Profile	Thickness (mm)	Boards per pack
2400 x 600	TG4	18	90
2400 x 600	TG4	22	74
2400 x 1200	TG2	22	35

P5 Fast Protect T&G

Kronobuild® Fast Protect is a specifically designed Tongue and Grooved structural board which provides a removable layer of protection against damage and spillages to the flooring, and also against exposure to the elements. This is combined with a permanent protective layer that keeps working after handover.

Characteristics

- Full BBA certification – 60 day weather protection (The BBA certificate only remains valid provided the boards are fitted using Kronobuild® D4 Adhesive)
- Protects during all stages of the build process
- Significantly reduces clean up times
- Peel off layer provides clean finish before handover
- Continues to protect from accidental spills and damage after handover
- Woven peel off film is recyclable

Applications

- For domestic and commercial new builds
- Refurbishments
- Structural flooring

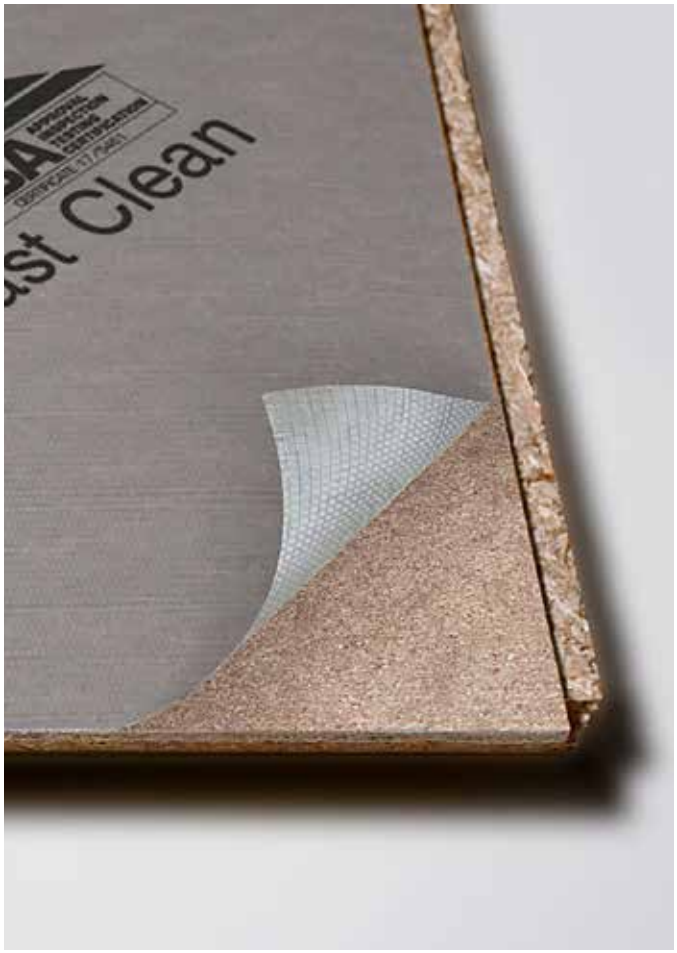
Standard

- EN 312; EN 13501-1: class D-s2, d0
- EN 13986:2004+A1:2015

Formaldehyde class

E1

Dimensions Size (mm)	Profile	Thickness (mm)	Boards per pack
2400 x 600	TG4	22	74
2400 x 1200	TG2	22	35



P5 Fast Clean T&G

Kronobuild® Fast Clean is a specifically designed Tongue and Grooved structural board which provides a removable layer of protection against damage and spillages to the flooring, and also against exposure to the elements.

Characteristics

- Full BBA certification – protects against the weather for up to 60 days (The BBA certificate only remains valid provided the boards are fitted using Kronobuild® D4 Adhesive)
- Protects during all stages of the build process
- Significantly reduces clean up times
- Peel off layer provides clean finish before handover
- Woven peel off film is recyclable

Applications

- For domestic and commercial new builds
- Refurbishments
- Structural flooring

Standard

- EN 312 – type P5; EN 13501-1: classD-s1, d0
- EN 13986:2004+A1:2015

Formaldehyde class

E1

Dimensions Size (mm)	Profile	Thickness (mm)	Boards per pack
2400 x 600	TG4	22	74
2400 x 1200	TG2	22	35

Plywood & Sheet Materials

Plywood consists of fine sheets of wood, or veneers bonded with glue. Plywood is a versatile product that can combine attractive surface appearance with superior performance under hazardous conditions while retaining comparatively high strength-to-weight ratios. It is available in a range of wood species, including hardwood and softwood species and combinations of the two, and a range of resin types for interior, high humidity and exterior conditions. Plywood was the first type of board developed to provide panels with dimensional stability and good strength both along and across the panel.

Streply Premium Hardwood Plywood FSC®

Product Code	Dimensions	Thickness (mm)	Length (mm)	Width (mm)	Pack Size	Product Grade
10732797	3.6mm 2440 x 1220 B/BB	3.6	2440	1220	250	EN 314-2 EN 636-2
10732798	5.5mm 2440 x 1220 B/BB	5.5	2440	1220	165	EN 314-2 EN 636-2
10732812	9mm 2440 x 1220 B/BB	9	2440	1220	100	EN 314-2 EN 636-2
10732813	12mm 2440 x 1220 B/BB	12	2440	1220	75	EN 314-2 EN 636-2
10732814	15mm 2440 x 1220 B/BB	15	2440	1220	60	EN 314-2 EN 636-2
10732815	18mm 2440 x 1220 B/BB	18	2440	1220	50	EN 314-2 EN 636-2
10732816	25mm 2440 x 1220 B/BB	25	2440	1220	37	EN 314-2 EN 636-2

10732813 & 10732816

Elliotis Pine Plywood C+/C CE2+ FSC®

Product Code	Dimensions	Thickness (mm)	Length (mm)	Width (mm)	Pack Size	Product Grade
10732817	9mm 2440 x 1220	9	2440	1220	100	BS EN 314-2 EN 636-2
10732818	12mm 2440 x 1220	12	2440	1220	75	BS EN 314-2 EN 636-2
10732819	15mm 2440 x 1220	15	2440	1220	60	BS EN 314-2 EN 636-2
10732820	18mm 2440 x 1220	18	2440	1220	50	BS EN 314-2 EN 636-2
10732821	24mm 2440 x 1220	24	2440	1220	38	BS EN 314-2 EN 636-2

10732817, 10732818 & 10732820

Strepine Blue Edged Clear Pine Faced Plywood FSC®

Product Code	Dimensions	Thickness (mm)	Length (mm)	Width (mm)	Pack Size	Product Grade
10732822	9mm 2440 x 1220	9	2440	1220	100	EN 314-2 EN 636-2
10732823	12mm 2440 x 1220	12	2440	1220	75	EN 314-2 EN 636-2
10732824	18mm 2440 x 1220	18	2440	1220	50	EN 314-2 EN 636-2

10732822, 10732823 & 10732824

Marine Grade Indonesian Plywood (3rd party verified) FLEGT

Product Code	Dimensions	Thickness (mm)	Length (mm)	Width (mm)	Pack Size	Product Grade
10732825	12mm 2440 x 1220	12	2440	1220	75	EN 314-2 Class 3
10732826	18mm 2440 x 1220	18	2440	1220	50	EN 314-2 Class 3

10732825 & 10732826

Wisa-Spruce G/III FSC®

Product Code	Dimensions	Thickness (mm)	Length (mm)	Width (mm)	Pack Size	Product Grade
10732827	12mm 2440 x 1220	12	2440	1220	75	BS EN 314-2 EN 636-2 E.1
10732828	18mm 2440 x 1220	18	2440	1220	50	BS EN 314-2 EN 636-2 E.1 E.1

10732827 & 10732828

Wisa-Spruce Special G/III TG4 FSC®

Product Code	Dimensions	Thickness (mm)	Length (mm)	Width (mm)	Pack Size	Product Grade
10732829	18mm 2400 x 600	18	2400	600	100	BS EN 314-2 EN 636-2 E.1 E.1
10732830	22mm 2400 x 600	22	2400	600	82	BS EN 314-2 EN 636-2 E.1 E.1

10732829 & 10732830

Lion General Hardboard PEFC

Product Code	Dimensions	Thickness (mm)	Length (mm)	Width (mm)	Pack Size
10732836	3mm 1220 x 2440	3	1220	2440	150

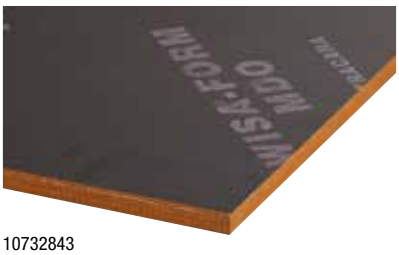
Streloft P2 Chipboard Panel TG2 LE FSC

Product Code	Dimensions	Thickness (mm)	Length (mm)	Width (mm)	Pack Size
10732837	18mm 1220 x 253	18	1220	253	200

10732837

Wisa Form MDO Plywood FSC®

Product Code	Dimensions	Thickness (mm)	Length (mm)	Width (mm)	Pack Size	Product Grade
10732843	18mm 2440 x 1220	18	2440	1220	50	EN 314-2 EN 636-3



10732843

Conversion Factors

Imperial = Metric

Imperial	Metric
standards	0.214 m^3
cu yards	0.795 m^3
sq yards	0.8361 m^2
yards	0.9144 m
cu feet	0.0283 m^3
sq feet	0.0929 m^2
feet	0.3048 m
inches	25.4 mm
tons	1.01605 tonnes
pounds	0.4536 kilos
lbs cu yd	0.5933 kilos/m^3
lbs ft^2	4.882 kilos/m^2
lbs in^2	0.0703

Metric = Imperial

Metric	Imperial
m^3	4.672 standards
m^3	1.308 cu yards
m^2	1.196 sq yards
m	1.094 yards
m^3	35.315 cu feet
m^2	10.764 sq feet
m	3.281 feet
mm	0.0394 inches
tonnes	0.9841 tons
kilos	2.2046 pounds
kilos/m^3	1.6860 lbs cu yd
kilos/m^2	0.2048 lbs ft^2
kilos/cm^2	14.223 lbs in^2

Product Weights

Product	Weight
HARDWOOD	1.20 Tonne / M^3 per pack
SOFTWOOD	0.75 Tonne / M^3 per pack
PLYWOOD	1.70 Tonne / M^3 per pack

Run M in M^3

Size = M in M^3	Size = M in M^3	Size = M in M^3
19 x 38 - 1385 m	47 x 50 = 426 m	63 x 150 = 106 m
25 x 38 = 1053 m	47 x 75 = 284 m	63 x 200 = 79 m
25 x 50 = 800 m	47 x 100 = 213 m	63 x 225 = 71 m
	47 x 125 = 170 m	
22 x 100 = 455 m	47 x 150 = 142 m	75 x 150 = 89 m
22 x 150 = 303 m	47 x 175 = 122 m	75 x 175 = 76 m
	47 x 200 = 106 m	75 x 200 = 67 m
32 x 100 = 313 m	47 x 225 = 95 m	75 x 225 = 60 m
32 x 200 = 156 m	47 x 250 = 85 m	75 x 250 = 54 m
38 x 100 = 263 m	50 x 100 = 200 m	100 x 100 = 100 m
38 x 150 = 175 m	50 x 150 = 133 m	100 x 150 = 67 m
38 x 200 = 132 m	50 x 200 = 100 m	100 x 200 = 50 m

Run FEET in CuFt

Size = Ft per CuFt	Size = Ft per CuFt	Size = Ft per CuFt
1 x 6" = 24 feet	11/2 x 6 = 16 feet	21/2 x 6 = 9.6 feet
1 x 8" = 18 feet	11/2 x 8 = 12 feet	21/2 x 8 = 7.2 feet
11/4 x 6" = 19 feet	2 x 6 = 12 feet	3 x 6 = 8 feet

Hardwood/Softwood Length Conversion

Ft = M	M = Ft
6 = 1.83	1.8 = 5'11"
7 = 2.13	2.1 = 6'10½"
8 = 2.44	2.4 = 7'10½"
9 = 2.74	2.7 = 8'10"
10 = 3.05	3.0 = 9'10"
11 = 3.35	3.3 = 10'10"
12 = 3.66	3.6 = 11'9½"
13 = 3.96	3.9 = 12'9½"
14 = 4.27	4.2 = 13'9½"
15 = 4.57	4.5 = 14'9"
16 = 4.88	4.8 = 15'9"
17 = 5.18	5.1 = 16'8½"
18 = 5.49	5.4 = 17'8½"
19 = 5.75	5.7 = 18'8½"
20 = 6.10	6.0 = 19'8½"
21 = 6.40	6.3 = 20'8"
22 = 6.70	6.6 = 21'8"
23 = 7.01	6.9 = 22'7½"
24 = 7.32	7.2 = 23'7½"

Hardwood/Softwood Dimensional Conversion

Inches = mm	mm = Inches
½ = 12.70	12 = 0.47
5/8 = 15.88	16 = 0.63
¾ = 19.05	19 = 0.75
1 = 25.40	25 = 0.98
1¼ = 31.75	32 = 1.26
1½ = 38.10	38 = 1.50
1 7/8 = 47.62	47 = 1.85
2 = 50.80	50 = 1.97
2½ = 63.50	63 = 2.48
3 = 76.20	75 = 2.95
4 = 101.60	100 = 3.94
5 = 127.00	125 = 4.92
6 = 152.40	150 = 5.90
7 = 177.80	175 = 6.89
8 = 203.20	200 = 7.87
9 = 228.60	225 = 8.85
10 = 254.00	250 = 9.84
11 = 279.40	275 = 10.83
24 = 7.32	

Sheet Conversion Length/Width/Thickness

Inches = mm	Inches = mm
23.6 = 600	1/16 = 1.5
24 = 610	1/8 = 3.2
30 = 762	¼ = 6.5
33 = 838	5/16 = 8
36 = 915	3/8 = 9
48 = 1220	½ = 12
60 = 1525	5/8 = 15
61 = 1550	11/16 = 17.5
72 = 1830	¾ = 19
78 = 1982	7/8 = 22
84 = 2135	1 = 25
96 = 2440	1 3/16 = 30
108 = 2745	1¼ = 32
120 = 3050	1½ = 38
144 = 3660	1¾ = 45
205 = 5205	2 = 50

Area

Ft = M^2
10.76 sq ft = 1 m^2
100 sq ft = 9.29 m^2
10' x 5' = 4.6513 m^2
10' x 4' = 3.7210 m^2
8' x 4' = 2.9768 m^2
8' x 2' = 1.4884 m^2
7' x 3' = 1.9535 m^2
6'6" x 2'6" = 1.5100 m^2
6' x 4' = 2.2330 m^2
6' x 2' = 1.1163 m^2
5' x 5' = 2.3256 m^2
4' x 4' = 1.4884 m^2
4' x 3' = 1.1163 m^2
4' x 2' = 0.7442 m^2
600mm x 2440mm = 1.464 m^2

Timber Terminology

ACT	Actual or Finished Measure
BBA	British Board of Agrément
CATG	UK timber certification, examination and notification body
CE	Conformité Européen
CDX	Common grade of softwood plywood
CLS	Canadian Lumber Standard
CLT	Cross Laminated Timber
CoC	Chain of Custody
E4E	Eased 4 Edges
EWP	Engineered Wood Products
FJ	Finger Jointed
FR	Fire Retardant
FLEGT	Forest Law Enforcement, Governance and Trade
FSC®	Forest Stewardship Council
GS	General Structural Grade (usually C16)
K.D. or KD	Kiln Dried
Lin.M. or LM	Linear Metre
LVL	Laminated Veneer Lumber
M^2	Square Metre
M^3	Cubic Metre
MDF	Medium Density Fibreboard
MDO	Medium Density Overlay (Plywood) for form-work applications
MR	Moisture Resistant
NFRC	National Federation of Roofing Contractors
NOM	Nominal Measure
OSB	Oriented Strand Board
PAR	Planed All Round
PCS	Pieces
PEFC	Programme for the Endorsement of Forest Certification
PET	Precision End Trimmed
PSE	Planed Square Edged
PTG	Planed Tongue & Grooved
PTL	Packaged to Length
SE	Square Edged
SS	Special Structural Grade (usually C24)
T&G	Tongue & Grooved
TB	Truck Bundled
TDUK	Timber Development UK (formally the Timber Trade Federation)
UC2	Use Class 2 (Timber Treatment)
UKCA	UK Conformity Assessment
UKTR	UK Timber Regulation
UG	Ungraded
VG	Visual Grading
WBP	Tropical Hardwood Plywood (Weather and boil proof) or equivalent
WPA	Wood Protection Association
WRC	Western Red Cedar

S R TIMBER

TIMBER SPECIALISTS

If you need assistance with choosing the right timber for your project please do not hesitate to contact us. We can also supply you with copies of our 'Guide to Graded Roofing Battens' and product data sheets.

These are also available on our website at

www.sr-timber.co.uk

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Our passion is timber and delivering the best possible solutions

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