



Roofing battens





Marley are experts in timber battens, offering both high quality roofing battens fully compliant with BS 5534 and a full range of ancillary products for both roofing and non-roofing applications.

Marley has a wealth of expertise and outstanding knowledge of the roofing and timber markets. At our specialist timber manufacturing site in Gainsborough we operate Europe’s only dedicated roofing batten scanning line, Goldeneye. This is a computer controlled, dedicated laser and camera grading line, which scans each timber batten intricately by the millimetre, to produce battens graded to ensure compliance with BS 5534 quickly and accurately.

SLOW GROWN, SUSTAINABLY SOURCED TIMBER

What happens at Gainsborough is only part of the story. Selecting the right timber to use for roofing battens is very important. Using our extensive network of Scandinavian mills, we source only slow-grown timber to ensure strength and durability. All our battens are cut from kiln dried side boards as they are less likely to distort. All Marley timbers are legally and sustainably sourced and in accordance with the UK Timber Regulations, supplied with PEFC Certification. As members of Timber Development UK, Marley supports the Responsible Purchasing Scheme.



Goldeneye, roofing batten scanning line.



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BRITISH STANDARD: BS 5534



Only battens that have been graded to BS 5534 can be described or used as ‘Roofing Battens’.

All roofing batten must be delivered and marked with the following information:

IDENTIFICATION AND DOCUMENTATION

Each delivery of battens should be accompanied by documentation stating at least the:

- a) name of supplier
- b) origin (imported or British-grown, and/or species code)
- c) graded in accordance with BS 5534
- d) basic size or sizes
- e) type of preservative and method of treatment, if applicable

MIN. TIMBER BATTEN SIZES (ROOFING AND VERTICAL WORK)*

| Application | | Basic minimum size of batten | | | |
|--------------------------|-------------|------------------------------|----------------|-------|--|
| Span** | Up to 450mm | | 451mm to 600mm | | |
| | Width | Depth | Width | Depth | |
| 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 | |

MARKING

Each batten should be indelibly marked with the following information:

- a) supplier details
- b) size
- c) species
- d) relevant standard ‘graded BS 5534’
- e) 3rd party certification

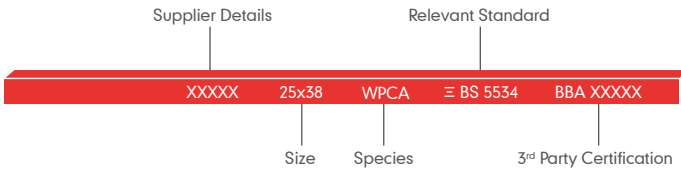
All battens must meet BS 5534 at the time of delivery. Visual grading is a time consuming process and should be carried out by fully trained personnel. The identification requirements must be met for both accompanying documentation and on the individual batten.

FOOTHOLD SAFETY

The HSE recognises correctly graded battens as a secure foothold under HSG33 Health and Safety in Roof Work. This states that battens must be a minimum size of 50 mm x 25 mm or 38 mm x 25 mm and meet the grading requirements specified in BS 5534.

* Tolerances on the basic sizes of timber batten should be: width +/- 3mm, thickness - 0mm /+ 3mm, based on measurement at a reference moisture content of 20%. These minimum sizes do not apply to battens used to support ridges, hips and valleys. Batten sizes for other slates, tiles and shingles such as timber shingles and shake and metal tiles, or other proprietary roofing products, should be in accordance with the manufacturer’s recommendations.

** Span is defined as the distance between centres of supports, or the clear distance between the faces of supports plus half the bearing length at each end support, whichever is the lesser. The end-bearing length should not be less than 17.5mm.





JB Red is a high quality roofing batten and the only UK factory graded batten available to the roofing industry with BBA certification.

Manufactured from slow-grown, kiln dried sideboards, JB Red sets the standard for graded roofing battens. JB Red completely meets the NHBC requirements for fully graded roofing battens. Its red colour means that it is highly visible on site, therefore Local Authority Building Control, NHBC and other inspectors can see that high quality, pre-graded and compliant battens have been used.

All JB Red has full chain of custody (PEFC) certification and is available in both 25 x 38mm and 25 x 50mm sizes.

Not all graded batten is the same. It is important to check the quality of other battens on the market to ensure you are roofing to current BRITISH STANDARDS. The below graded batten checklist will help you decide if your current roofing batten is up to standard. With JB Red you have the peace of mind that it fully complies with BS 5534.

Graded batten checklist

| Item to Assess | Other roofing battens | JB Red |
|---------------------------------------|-----------------------|----------------|
| Dimension (full measure) | Check with supplier | ✓ |
| Length | Check with supplier | ✓ |
| Knots | Check with supplier | ✓ |
| Wane | Check with supplier | ✓ |
| Slope of grain | Check with supplier | ✓ |
| Distortion | Check with supplier | ✓ |
| Species | Check with supplier | ✓ |
| Fissures | Check with supplier | ✓ |
| Rate of growth | Check with supplier | ✓ |
| Cut from side boards | Check with supplier | ✓ |
| Decay and insect attack | Check with supplier | ✓* |
| Treatment BS 8417 | Check with supplier | ✓* |
| Identification and marking | Check with supplier | ✓ |
| PEFC Certified | Check with supplier | PEFC Certified |
| Wood Protection Association Certified | Check with supplier | ✓* |
| Third Party Accreditation | Check with supplier | BBA Certified |

* to achieve a 60 year desired service life

LENGTHS AND FIXING REQUIREMENTS

- JB Red is supplied in lengths 3.6m and longer. A batten should be a minimum of 1.2m long and span at least 3 rafters
- Not more than one in four battens should be joined over one truss for gauges over 200mm, below 200mm there can be 3 consecutive joins in any twelve battens. The best way to meet this is to buy a spread of lengths so joints can be staggered
- Roofing battens should be nailed to the centre of the rafter. All joints should be over a rafter with the batten square cut, tightly butted and skewed nailed. The cut batten end should be treated when used at wet or dry verges or the batten turned so the cut end is within the roof.



BENEFITS OF JB RED

- Pre-graded to all the size and strength requirements of BS 5534 for roofing battens. No further grading is required
- Manufactured from slow grown, high grade timber and marked according to BS 5534 showing supplier name, origin/species, grade and size
- Only kiln dried sideboard timber is used to ensure stability and dimensional accuracy
- Reduced wastage on-site through state of the art mechanical grading
- The product and process are UKAS third party assessed by the BBA with a BBA Agrément certificate (19/5668)
- Wood Protection Association (WPA) Benchmark Quality Approval Scheme certified Approved Treater and Approved Product
- The first roofing battens to receive CCPI verification (001500013/1025)
- Treated to BS 8417 Usage Class 2, using Koppers MicroPro® with a unique red colour
- 60 year life expectancy against insect attack and wood rotting fungi (when installed correctly in accordance with the requirements of Usage Class 2)

OTHER BATTENS



JB Speciality: Marley offer a full range of roofing timbers above truss or rafter level, all of which are preservative treated against insect attack and wood rotting fungi.



Zinc Roll



Lead Roll



Angle fillet



Carcassing



Counter batten



Type A Brown Batten: There are many non-roofing uses for timber battens. Marley Type A Brown Batten can be used for a wide range of applications.

- ▲ Made from slow-grown, kiln dried timber
- ▲ PEFC certified
- ▲ Preservative brown treated to Usage Class 2
- ▲ Available in lengths 3.6m – 5.4m
- ▲ Not suitable for BS 5534 applications

Type A Brown Batten is manufactured from sustainably sourced, slow-grown and kiln dried European Red or Whitewood timber. It comes with full chain of custody certification and is PEFC certified.





PACKAGING SPECIFICATIONS

JB RED

Preservative treated with MicroPro with a red pigment.

| Batten Size (mm) | Pieces per bundle | Bundles per pack | Total Pieces per pack |
|------------------|-------------------|------------------|-----------------------|
| 25 x 38 | 10 | 56 | 560 |
| 25 x 50 | 10 | 44 | 440 |
| 38 x 50 | 10 | 60 | 600 |
| 50 x 50 | 8 | 48 | 384 |

TYPE A BROWN BATTEN

Preservative treated.

| Batten Size (mm) | Pieces per bundle | Bundles per pack | Total Pieces per pack |
|------------------|-------------------|------------------|-----------------------|
| 19 x 38 | 10 | 70 | 700 |
| 25 x 38 | 10 | 56 | 560 |
| 25 x 50 | 10 | 44 | 440 |

LINEAR METERS CONVERSION

| | |
|------------------------------|------------------------|
| 1m ³ of 19 x38mm | 1385.042 linear metres |
| 1m ³ of 25 x38mm | 1052.632 linear metres |
| 1m ³ of 25 x 50mm | 800 linear metres |

COUNTER BATTENS, LARGE SECTION ROOFING, NON-STANDARD BATTEN AND SPECIALITY BATTENS.

This includes some of the infrequently used batten sizes, often needed when matching in with existing battens or when used over wide rafter centres. Counter battens include both large and small section battens.

We can manufacture accurately as small as 6 x 25. The sizes used often vary around the country. The small section battens 6 x 25 are only available in 3.0m lengths from stock (other lengths to order). Treated with preservative treatment.

| Size (mm) | Pieces per bundle | Bundles per pack | Total Pieces per pack |
|-------------------|-------------------|------------------|-----------------------|
| 6 x 25 | 100 | 8 | 800 |
| 10 x 38 | 24 | 14 | 336 |
| 19 x 38 | 10 | 70 | 700 |
| 25 x 100 | 50 | 1 | 50 |
| 38 x 50 | 6 | 10 | 60 |
| 47 x 50 | 6 | 8 | 48 |
| 50 x 50 C/C | 12 | 8 | 96 |
| 50 x 50 Firrings | 12 | 8 | 96 |
| 50 x 50 Lead Roll | 60 | 1 | 60 |
| 75 x 75 King Roll | 24 | 1 | 24 |



Important Information

PRESERVATIVE TREATMENT

Marley’s preservative treated JB Red and Type A Brown battens are quality accredited under the WPA Benchmark scheme operated by the Wood Protection Association (WPA). This means they are subject to independent third-party audit by WPA, which verifies the wood has been treated correctly in compliance with the British Standard for industrial wood preservation – BS8417.

Information on preservative treatments can be found on the treatment data sheets from the downloads page of our website www.marley.co.uk

STORAGE

Once delivered, store timber on sufficient bearers to prevent sagging or twisting. Protect from elements whilst still allowing sufficient airflow.

DELIVERIES

All products are available from stock or via a network of distributors. Marley maintains large stocks to enable a rapid delivery service.

TECHNICAL SUPPORT

Full technical support is available from our Technical Advisory Service and on our website marley.co.uk, alongside a full range of literature and point of sale materials.



Additional Resources

TO FIND MORE INFORMATION ON BS 5534

and what other British Standards apply to roofing, please visit: marley.co.uk/britishstandards



Tell me more

Call 01283 722588

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