

## Roofing Battens Technical Specification - **JB|Red**

**JB-RED is a fully graded batten, manufactured using a system of camera and laser scanning.**

JB-RED meets all the performance requirements of BS 5534:2003+A1:2010 Code of Practice for slating & tiling (including shingles).

UKAS third party assessed by the BBA (British Board of Agrément) the UK's major authority offering certification for products and processes to the construction industry.

### Sizes

JB-RED is available in both 25x38 and 25x50 sizes.

25x38 and 25x50 are the only recommended sizes of batten that can be used on rafter centres up to 600mm. The size varies dependant on roof covering and specific rafter centre - see table below. 19mm thick battens are not recognised in BS 5534:2003+A1:2010 nor included within the tile and slate manufacturers handbooks. 25x38 is the minimum recommended size for roofing battens.

**Recommended Table of Batten Sizes from BS 5534:2003+A1:2010 Code of Practice for Slating and Tiling (including Shingles).**

- a Tolerances on the basic sizes of timber batten should be width +/-3mm, depth -0/+3mm, based on measurement at a reference moisture content of 20%.
- b These minimum sizes do not apply to batten used to support ridges, hips and valleys.
- c Batten sizes for other slates, tiles and shingles, such as cedar shingles and shakes and metal tiles, or other proprietary roofing products, should be in accordance with the manufacturers' recommendations.
- d Span is defined as the distance between centres of supports, or the clear distance between the face 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.

Application	Basic Minimum Size of Batten a b c			
	Up to 450mm Span		Up to 600mm Span d	
Slates (Double-Lap)	Width (mm)	Depth (mm)	Width (mm)	Depth (mm)
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

**Length**

John Brash supplies roofing battens of 3.0m and longer. The minimum length set out for a roofing batten is 1.2m. It should also be noted that all joints should be square cut and butted centrally on supports.

**Packaging**

All timber from John Brash comes in small, easy to handle packs of approximately 1.5m<sup>3</sup>.

Batten (mm x mm)	Linear Metres Per m <sup>3</sup>	Pieces Per Bundle	Bundles Per Pack
25 x 38	1052.63	10	40
25 x 50	800	10	30

**Species**

BS 5534:2003+A1:2010 identifies the approved species as either:

**IMPORTED**

- Redwood (PNSY)
- Whitewood(WPCA)
- Spruce-pine-fir (USA/Can)(WPCE)
- Southern Pine (USA)(WPNE)

**HOMEGROWN**

- Larch (WLAD)
- British Pine (WPNN)
- British Spruce (WPSCS)

John Brash only supplies the stronger Imported Species, these are up to 17% stronger in bending and stiffer in stiffness against bending than some home grown timbers. Some ungraded home grown timbers can also exhibit a higher incidence of defects (larger knots and fewer growth rings) than imported timbers.

**Marking**

All battens should be marked with the supplier, origin/ timber species, size and BS5534, if fully pre-graded by the manufacturer. In addition, all documentation should include all the above along with the type and method of timber preservation.

**Grading**

All JB-RED Roofing Battens are supplied graded to meet the performance requirements of BS 5534:2003+A1:2010, occasionally some end splits may develop after grading. These should be trimmed off at the time of fixing, as should any splits greater than 150mm that occur due to nailing (see BS 5534:2003+A1:2010 Annexe C, Section 3).

A quick visual check is always recommended to assess for any handling damage and any obvious error.

**Preservative Treatment & Guarantee**

JB-RED battens are treated with a specifically developed micro emulsion, Osmose® Protim Clear Choice, fully compliant with BS 8417:2011 Usage Class 2, using state of the art treatment processes. The net result of this process is that we can guarantee each batten for 60 years against wood rotting fungi and insect attack (when installed correctly in accordance with the requirements of Usage Class 2).

The red pigment, which we add to the treatment, can fade over time but this fading has no effect on the guarantee or the effectiveness of the treatment. The red colour confirms that each individual batten has been assessed, graded and complies with the strength requirements of BS 5534:2003+A1:2010



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Information on preservative treatments can be found on the treatment data sheets from the downloads page of our website [www.johnbrash.co.uk/downloads](http://www.johnbrash.co.uk/downloads)

### Nailing

Nail battens to each rafter using a splay nail at each end of the batten. For gauges greater than 200mm there should be no more than 1 joint in any 4 consecutive battens on the same support. For gauges of less than 200mm there should be no more than 3 joints in any consecutive 12 battens on the same support. The requirements for nails are set out in BS 5534:2003+A1:2010.

### Cross Cut Battens Ends

It is recommended that cut batten ends at the verge should be treated with a suitable preservative approved for this purpose. The most practical and safe way of meeting this is to rotate the batten along its length so that the cut end is inside the roof and the fully treated end is at the verge. This

negates the need to carry up and paint /dip batten with a preservative whilst on the roof. Cut batten ends within the roof do not require further treatment.

### Storage

Store battens and counter battens on sufficient bearers to prevent sagging or twisting. They should also be protected from water saturation whilst lying horizontally.

### Deliveries

All products are available from stock or via our network of distributors. Stillage deliveries and self unloading crane vehicles are available. John Brash maintains large stocks to enable a rapid delivery service.

