JohnBrash

Uniclass
L529:P512

CI/SfB
(47) Hi2

July 2012

# Roofing Battens Technical Specification - JB|Green and JB|i

## All JB-GREEN is manufactured from European Red or Whitewood and has full chain of custody (FSC or PEFC) credentials.

Pre-graded to all the requirements of BS 5534:2003+A1:2010, Code of Practice for slating & tiling (including shingles), with the exception of a final grade on site for knots and wane. Manufactured under IS0 9001:2008 conditions.

**Sizes**

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**

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 |

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## 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 1.5m³.

| **Batten** (mm x mm) | **Linear Metres** Per m³ | **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 (WPCS)

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 our battens are marked with the supplier, origin/timber species, size and either JB-GREEN or JBi. JB-GREEN and JBi are the John Brash quality grade mark to indicate that a final grade on site is required for knots and wane. In addition, all documentation should include all the above along with the type and method of timber preservation.

## Grading

All battens should be graded and should, when fixed, meet BS 5534:2003+A1:2010. There are two options: either buy pre-graded battens (JB-RED) or grade on site (JB-GREEN/JBi). JB-GREEN & JBI are the best option for grade on site battens as they are manufactured from side boards to ensure a stable and straight batten, free from distortion and allowing an easy final grade for knots and wane. Grading on site is not always practical as the roofer/grader has to mark each individual batten with BS 5534.

## Preservative Treatment & Guarantee

Treated with Osmose Naturewood® to BS 8417:2011 Usage Class 2; to give a 60 year guarantee against wood rotting fungi and insect attack (when installed correctly in accordance with the requirements of Usage Class 2).

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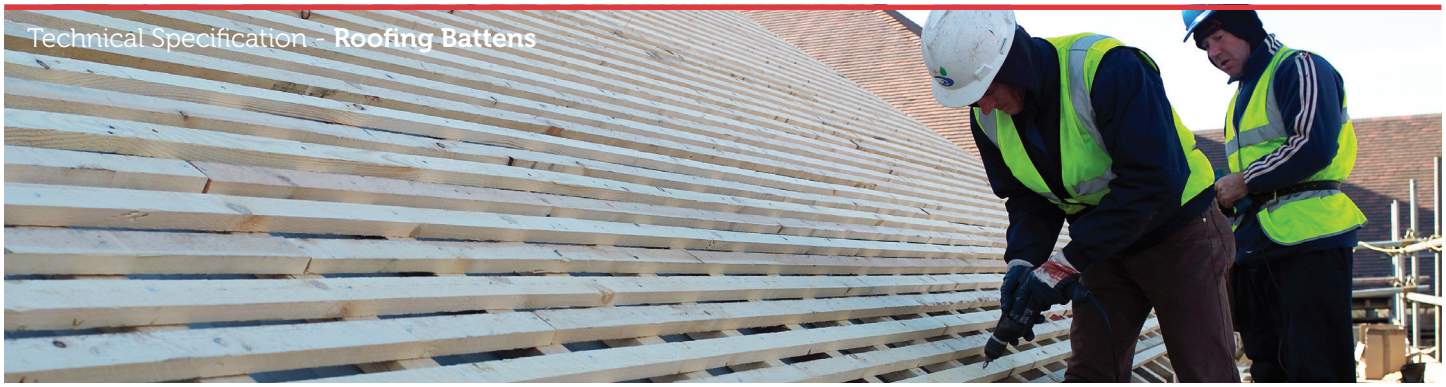

Information on preservative treatments can be found on the treatment data sheets from the downloads page of our website www.johnbrash.co.uk/downloads

## 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. Full technical support is available from the sales office, alongside a full range of literature and point of sale materials.

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