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Agrément Certificate
19/5668
Product Sheet 1 Issue 2

MARLEY ROOFING BATTENS

JB RED ROOFING BATTENS

This Agrément Certificate Product Sheet(1) relates to JB RED Roofing Battens, for use as part of a timber roof structure to support concrete, clay, fibre-cement, natural slate or metal roofing tiles, and/or bitumen or wooden shingles.

(1) Hereinafter referred to as 'Certificate'.

The assessment includes

Product factors:

- compliance with Building Regulations
- compliance with additional regulatory or non-regulatory information where applicable
- evaluation against technical specifications
- assessment criteria and technical investigations
- uses and design considerations

Process factors:

- compliance with Scheme requirements
- installation, delivery, handling and storage
- production and quality controls
- maintenance and repair

Ongoing contractual Scheme elements†:

- regular assessment of production
- formal 3-yearly review

KEY FACTORS ASSESSED

Section 1. Mechanical resistance and stability
Section 2. Safety in case of fire
Section 3. Hygiene, health and the environment
Section 4. Safety and accessibility in use
Section 5. Protection against noise
Section 6. Energy economy and heat retention
Section 7. Sustainable use of natural resources
Section 8. Durability

The BBA has awarded this Certificate to the company named above for the products described herein. These products have been assessed by the BBA as being fit for their intended use provided they are installed, used and maintained as set out in this Certificate.

On behalf of the British Board of Agrément

Date of Second issue: 18 November 2025
Originally certified on 5 July 2019

Hardy Giesler
Chief Executive Officer

This BBA Agrément Certificate is issued under the BBA's Inspection Body accreditation to ISO/IEC 17020. Sections marked with † are not issued under accreditation.

The BBA is a UKAS accredited Inspection Body (No. 4345), Certification Body (No. 0113) and Testing Laboratory (No. 0357).

Readers MUST check that this is the latest issue of this Agrément Certificate by either referring to the BBA website or contacting the BBA directly.

The Certificate should be read in full as it may be misleading to read clauses in isolation.

Any photographs are for illustrative purposes only, do not constitute advice and should not be relied upon.

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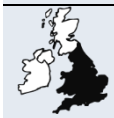
SUMMARY OF ASSESSMENT AND COMPLIANCE

This section provides a summary of the assessment conclusions; readers should refer to the later sections of this Certificate for information about the assessments carried out.

Compliance with Regulations

Having assessed the key factors, the opinion of the BBA is that JB RED Roofing Battens, if installed, used and maintained in accordance with this Certificate, can satisfy or contribute to satisfying the relevant requirements of the following Building Regulations:



The Building Regulations 2010 (England and Wales) (as amended)

Requirement:	**A1**	**Loading**
Comment:		The products can contribute to satisfying this Requirement. See sections 1 and 9 of this Certificate.
Regulation:	**7(1)**	**Materials and workmanship**
Comment:		The products are acceptable. See sections 8 and 9 of this Certificate.

The Building (Scotland) Regulations 2004 (as amended)

Regulation:	**8(1)(2)**	**Fitness and durability of materials and workmanship**
Comment:		The products are acceptable. See sections 8 and 9 of this Certificate.
Regulation:	**9**	**Building standards - construction**
Standard:	1.1	Structure
Comment:		The products can contribute to satisfying this Standard, with reference to clause 1.1.1[(1)(2)]. See sections 1 and 9 of this Certificate.
Standard:	7.1(a)	Statement of sustainability
Comment:		The products can contribute to meeting the relevant requirements of Regulation 9, Standards 1 to 6, and therefore will contribute to a construction meeting a bronze level of sustainability as defined in this Standard.
Regulation:	**12**	**Building standards - conversions**
Comment:		All comments given for the products under Regulation 9, Standards 1 to 6, also apply to this Regulation, with reference to clause 0.12.1[(1)(2)] and Schedule 6[(1)(2)].

(1) Technical Handbook (Domestic).
(2) Technical Handbook (Non-Domestic).

The Building Regulations (Northern Ireland) 2012 (as amended)

Regulation:	**23(1)(a)**	**Fitness of materials and workmanship**
Comment:	**(iii)(b)(i)**	The products are acceptable. See sections 8 and 9 of this Certificate.
Regulation:	**30(a)(b)**	**Stability**
Comment:		The products can contribute to satisfying this Regulation. See sections 1 and 9 of this Certificate.

Additional Information

NHBC Standards 2025

In the opinion of the BBA, JB RED Roofing Battens, if installed, used and maintained in accordance with this Certificate, can satisfy or contribute to satisfying the relevant requirements in relation to *NHBC Standards*, Chapter 7.2 *Pitched roofs.*

The opinion of the BBA does not amount to any endorsement or approval by NHBC and does not in any way guarantee that NHBC will approve such product / system as compliant with the NHBC Technical Requirements and Standards.

Fulfilment of Requirements

The BBA has judged JB RED Roofing Battens to be satisfactory for use as described in this Certificate. The products have been assessed for use as part of a timber roof structure to support concrete, clay, fibre-cement, natural slate or metal roofing tiles and/or bitumen or wooden shingles.

ASSESSMENT

Product description and intended use

The Certificate holder provided the following description for the products under assessment. JB RED Roofing Battens are machine-graded timber roof tiling battens made from either European Redwood (code PNSY) or Whitewood (code WPCA) from a source certified by the Programme for the Endorsement of Forest Certification Schemes (PEFC). The battens are treated with a micro-emulsion preservative to achieve compliance with BS 8417 : 2024, Usage Class 2. The battens are graded by an optical grading machine, prior to the application of a red-pigmented preservative treatment.

The products have the nominal characteristics given in Table 1.

Table 1 Nominal characteristics of the products

Characteristic (unit)	Timber species	
	European Redwood (PNSY)	European Whitewood (WPCA)
Length (mm)(1)	2400	2400
Height (mm)	25	25
Width (mm)	38, 50	38, 50
Colour	Red	Red
Density (kg·m^{-3})	510	470

(1) Length of 2.4 m or longer, see Table 6 in Section 11.

Product assessment – key factors

The products were assessed for the following key factors, and the outcome of the assessment is shown below. Conclusions relating to the Building Regulations apply to the whole of the UK unless otherwise stated.

1 Mechanical resistance and stability

Data were assessed for the following characteristics.

1.1 Strength and stability

1.1.1 The products are graded for short term bending stresses given in Table 2.

Table 2 Bending stress – Short term loading

Product assessed	Assessment method	Requirement	Result
Redwood (code PNSY) H x W 25 x 38, 25 x 50 mm	BS 5534 : 2014 and BS EN 1995-1-1: 2004	Bending stress limited to 4.2 $N \cdot mm^{-2}$	Pass
Whitewood (code WPCA) H x W 25 x 38, 25 x 50 mm	BS 5534 : 2014 and BS EN 1995-1-1: 2004	Bending stress limited to 4.2 $N \cdot mm^{-2}$	Pass

1.1.2 When graded, the products achieved a mean modulus of elasticity given in Table 3.

Table 3 Stiffness - modulus of elasticity, E

Product assessed	Assessment method	Requirement	Result
Redwood (code PNSY) H x W 25 x 38, 25 x 50 mm	BS 5534 : 2014 and BS EN 1995-1-1 : 2004	Mean modulus of elasticity 9000 $N \cdot mm^{-2}$	Pass
Whitewood (code WPCA) H x W 25 x 38, 25 x 50 mm	BS 5534 : 2014 and BS EN 1995-1-1 : 2004	Mean modulus of elasticity 9000 $N \cdot mm^{-2}$	Pass

1.2 On the basis, the products satisfy strength and stability requirements for grading in accordance with BS 5534 : 2014 and will have adequate strength and stiffness to support the dead, imposed and wind loads likely to be encountered in service.

2 Safety in case of fire

Not applicable.

3 Hygiene, health and the environment

Not applicable.

4 Safety and accessibility in use

Not applicable.

5 Protection against noise

Not applicable.

6 Energy economy and heat retention

Not applicable.

7 Sustainable use of natural resources

7.1 Reuse and recyclability

The products are made of timber, which can be recycled.

8 Durability

8.1 The potential mechanisms for degradation and the known performance characteristics of the materials in the products were assessed.

8.2 Specific test data were assessed as given in Table 4.

Table 4 Durability

Product assessed	Assessment method	Requirement	Result
Redwood (code PNSY) H x W 25 x 38, 25 x 50 mm and Whitewood (code WPCA) H x W 25 x 38, 25 x 50 mm	BS EN 599-1 : 2009 and BS 8417 : 2024	Resistance to insect infestation attack by House Longhorn beetle	Pass
	BS EN 599-1 : 2009	Preservative treatment material in performance criteria	Pass
	BS EN 1995-1-1 : 2004	Service Class 2	Pass

8.3 Service life

Under normal service conditions, the products will have a life in excess of 60 years, provided they are designed, installed and maintained in accordance with this Certificate and the Certificate holder's instructions.

PROCESS ASSESSMENT

Information provided by the Certificate holder was assessed for the following factors:

9 Design, installation, workmanship and maintenance

9.1 Design

9.1.1 The design process was assessed by the BBA, and the following requirements apply in order to satisfy the performance specified in this Certificate.

9.1.2 Pitched timber roofs incorporating the products must be designed and constructed in accordance with the relevant recommendations of BS 5534 : 2014, BS 8000-0 : 2014 and BS 8000-6 : 2023. In particular, the designer must follow the recommendations on strength, durability and control of condensation, and select a construction appropriate to its location paying due attention to design detailing, quality of work and materials to be used.

9.1.3 The minimum batten sizes for use in specific applications are given in Table 5 (reproduced from BS 5534 : 2014, Table 3).

Table 5 Batten sizes

Application	Minimum size of batten(1)(2)(3)			
	Up to 450 mm span(4)		Up to 600 mm span(4)	
	Width W (mm)	Depth H (mm)	Width W (mm)	Depth H (mm)
Double lap slates				
Natural slates, sized or random	50	25	50	25
Fibre-cement or concrete	50	25	50	25
Clay and concrete tiles				
Double lap	38	25	38	25
Single lap	50	25	50	25

(1) Tolerances on the basic sizes of timber battens must be width ±3 mm and depth –0/+3 mm (measurement based on reference moisture content of 20%).
(2) These minimum sizes do not apply to battens used to support ridges, hips and valleys.
(3) Batten sizes for other slates, tiles and shingles (such as cedar shingles), and shakes and metal tiles or other proprietary roofing products, must be in accordance with the manufacturer's instructions/recommendations.
(4) Span is defined as the distance between centres of supports, or clear distance between the face of supports plus half the bearing length at each end support, whichever is the lesser. The end-bearing must not be less than 17.5 mm.

9.1.4 The permissible characteristics and defects for grading timber battens must be in accordance with BS 5534 : 2014.

9.1.5 The moisture content of the battens at the time of fixing must not exceed 22%.

9.2 Installation

9.2.1 Installation instructions provided by the Certificate holder were assessed and judged to be appropriate and adequate.

9.2.2 Installation must be carried out in accordance with this Certificate and the Certificate holder's instructions. A summary of instructions and guidance is provided in Annex A of this Certificate.

9.3 Workmanship

Practicability of installation was assessed by the BBA on the basis of the Certificate holder's information. To achieve the performance described in this Certificate, installation of the products must be carried out by competent roofing contractors experienced with these types of products.

9.4 Maintenance and repair

9.4.1 As the battens are confined within the roof space and have suitable durability maintenance is not required.

9.4.2 As with all wood-based building materials, care must be taken in detailing buildings to prevent vermin and other pest infestation.

10 Manufacture

10.1 The production processes for the products have been assessed, and provide assurance that the quality controls are satisfactory according to the following factors:

10.1.1 The manufacturer has provided documented information on the materials, processes, testing and control factors.

10.1.2 The quality control operated over batches of incoming materials has been assessed and deemed appropriate and adequate.

10.1.3 The quality control procedures and product testing to be undertaken have been assessed and deemed appropriate and adequate.

10.1.4 The process for management of non-conformities has been assessed and deemed appropriate and adequate.

10.1.5 An audit of each production location was undertaken, and it was confirmed that the production process was in accordance with the documented process, and that equipment has been properly tested and calibrated.

† 10.2 The BBA has undertaken to review the above measures on a regular basis through a surveillance process, to verify that the specifications and quality control operated by the manufacturer are being maintained.

11 Delivery and site handling

11.1 The Certificate holder stated that the products are delivered in the sizes, quantities and weights listed in Table 6, or to the customer's specific requirements. Each bundle is banded with three bands, which are supplied square stacked. Each pack is identified with a unique pack number and barcode, giving full traceability.

11.2 Delivery and site handling must be performed in accordance with the Certificate holder's instructions and this Certificate, including:

11.2.1 Each pack must be stored on sufficient bearers to prevent sagging and twisting and must be protected against the weather to avoid moisture saturation.

Table 6 Typical example of batten sizes, bundles and weights

Timber species	Sizes (H x W x L)[1]	Density ($kg \cdot m^3$)	Bundle weights (kg)				
			QTY 10	QTY 30	QTY 40	QTY 44	QTY 56
European Redwood (PNSY)	25 mm x 38 mm x 2.4 m	510	12	—	47	—	66
	25 mm x 50 mm x 2.4 m		—	46	—	68	—
European Whitewood (WPCA)	25 mm x 38 mm x 2.4 m	410	16	—	64	—	90
	25 mm x 50 mm x 2.4 m		—	63	—	25	—

(1) Lengths greater than 2.4 m are available.

† ANNEX A – SUPPLEMENTARY INFORMATION

Supporting information in this Annex is relevant to the products but has not formed part of the material assessed for the Certificate.

Construction (Design and Management) Regulations 2015
Construction (Design and Management) Regulations (Northern Ireland) 2016

Information in this Certificate may assist the client, designer (including Principal Designer) and contractor (including Principal Contractor) to address their obligations under these Regulations.

Management Systems Certification for production

The management system of the manufacturer has been assessed and registered as meeting the requirements of BS EN ISO 9001 : 2015 by CPC (Certificate CP00192) .

Additional information on installation

A.1 JB RED Roofing Battens must be handled and installed in the same manner as other structural wood-based materials. Guidance on design and quality of work is given in BS EN 1995-1-1 : 2004 and its UK national Annex, and BS 5534 : 2014. Also see *NFRC 'Toolbox Talk' on Checking for Substandard Roofing Battens* 4 July 2023 and *NFRC Safety Alert SA03 on Substandard Roofing Battens* 25 October 2022.

A.2 Fully graded tiling battens when fixed to rafters spanning up to 600 mm can be used by the roofing installer as a roof ladder when laying the roof. See the *NFRC HSGS11 Correct Installation and Safe Use of Slating and Tiling Battens,* 17 March 2021.

A.3 The battens are supplied graded for use. However, some end splits may occasionally develop after grading, which must be trimmed off at the time of fixing, and any other splits greater than 150 mm that occur during nailing.

A.4 As the battens are supplied pre-treated, on site it is recommended that the batten is rotated along its length so that the cut end is inside the roof and the fully treated end is at the verge. To ensure compliance with NHBC regulations and maintain best practice, all cuts ends must be treated.

A.5 Battens are fixed to each rafter, using the specified type and size of fixings in accordance with BS 5534 : 2014, Clause 4.12.1.

A.6 All joints are to be square-cut and butted centrally on the supports; battens are nailed to each rafter using splay nails at each end. The requirements for the nails used are given in BS 5534 : 2014.

A.7 Where the roof width allows, battens not less than 1.2 m long must be fixed to each rafter or support in straight lines to the calculated gauge, parallel with the ridge or top course or at right angles to the line of drainage.

A.8 For gauges greater than 200 mm, there must be no more than one joint in any four consecutive battens on the same support. For gauges less than 200 mm, there must be no more than three joints in any consecutive 12 battens on the same support.

A.9 On rafter and purlin roofs, occasional batten joint staggers must be used.

A.10 When there are roof or vertical details such as chimneys or windows, it might be necessary to gauge out the battens to suit each of the fixed points. Equal batten gauges are important, with high profiled tiles to avoid distorted diagonal lines.

A.11 Underlay laps must be covered by a batten and, where necessary, the lap of the underlay adjusted to coincide with the nearest slating or tiling batten.

A.12. Additional battens between courses must be avoided, as these can cause trip hazards and loading issues.

Bibliography

BS 5534 : 2014 + A2 : 2018 *Slating and tiling for pitched roofs and vertical cladding — Code of practice*

BS 8000-0 : 2014 + A1 : 2023 *Workmanship on construction sites — Introduction and general principles*
BS 8000-6 : 2023 *Workmanship on building sites — Code of practice for slating and tiling of roofs and walls*

BS 8417 : 2024 *Preservation of wood — Code of practice*

BS EN 599-1 : 2009 + A1 : 2013 *Durability of wood and wood-based products — Efficacy of preventive wood preservatives as determined by biological tests — Specification according to use class*

BS EN 1995-1-1 : 2004 + A2 : 2014 *Eurocode 5: Design of timber structures — General — Common rules and rules for buildings*
NA to BS EN 1995-1-1 : 2004 + A2 : 2014 UK National Annex to *Eurocode 5 — Design of timber structures — General — Common rules and rules for buildings*

BS EN ISO 9001 : 2015 *Quality management systems — Requirements*

Conditions of Certificate

Conditions

1 This Certificate:

- relates only to the product that is named and described on the front page
- is issued only to the company, firm, organisation or person named on the front page – no other company, firm, organisation or person may hold or claim that this Certificate has been issued to them
- has to be read, considered and used as a whole document – it may be misleading and will be incomplete to be selective
- is copyright of the BBA
- and any matter arising out of or in connection with it or its subject matter (including non-contractual disputes or claims) is governed by and construed in accordance with the law of England and Wales.
- the courts of England and Wales shall have exclusive jurisdiction to settle any matter arising out of or in connection with this Certificate or its subject matter (including non-contractual disputes or claims).

2 Publications, documents, specifications, legislation, regulations, standards and the like referenced in this Certificate are those that were current and/or deemed relevant by the BBA at the date of issue or reissue of this Certificate.

3 This Certificate will be displayed on the BBA website, and the Certificate Holder is entitled to use the Certificate and Certificate logo, provided that the product and its manufacture and/or fabrication, including all related and relevant parts and processes thereof:

- are maintained at or above the levels which have been assessed and found to be satisfactory by the BBA
- continue to be checked as and when deemed appropriate by the BBA under arrangements that it will determine
- are reviewed by the BBA as and when it considers appropriate.

4 The BBA has used due skill, care and diligence in preparing this Certificate, but no warranty is provided.

5 In issuing this Certificate the BBA is not responsible and is excluded from any liability to any company, firm, organisation or person, for any matters arising directly or indirectly from:

- the presence or absence of any patent, intellectual property or similar rights subsisting in the product or any other product
- the right of the Certificate holder to manufacture, supply, install, maintain or market the product
- actual installations of the product, including their nature, design, methods, performance, workmanship and maintenance
- any works and constructions in which the product is installed, including their nature, design, methods, performance, workmanship and maintenance
- any loss or damage, including personal injury, howsoever caused by the product, including its manufacture, supply, installation, use, maintenance and removal
- any claims by the manufacturer relating to UKCA marking and CE marking.

6 Any information relating to the manufacture, supply, installation, use, maintenance and removal of this product which is contained or referred to in this Certificate is the minimum required to be met when the product is manufactured, supplied, installed, used, maintained and removed. It does not purport in any way to restate the requirements of the Health and Safety at Work etc. Act 1974, or of any other statutory, common law or other duty which may exist at the date of issue or reissue of this Certificate; nor is conformity with such information to be taken as satisfying the requirements of the 1974 Act or of any statutory, common law or other duty of care.

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