BMI Group UK Limited
BMI House
2 Pitfield
Kiln Farm
Milton Keynes MK11 3LW

Tel: 0330 123 4585
e-mail: technical.redland@bmigroup.com
website: www.bmigroup.com/uk

Agrément Certificate
23/7044
Product Sheet 1 Issue 1

BMI REDLAND CAMBRIAN SLATES

REDLAND CAMBRIAN INTERLOCKING SLATES

This Agrément Certificate Product Sheet(1) relates to Redland Cambrian Interlocking Slates, resin-based reconstituted slates for use as a weatherproof finish to pitched roofs with a minimum rafter pitch of 15°, or hung vertically as a cladding on the outer face of external walls.

(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 product described herein. This product has been assessed by the BBA as being fit for its intended use provided it is installed, used and maintained as set out in this Certificate.

On behalf of the British Board of Agrément

Date of issue: 11 March 2024

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.

British Board of Agrément
1st Floor, Building 3, Hatters Lane
Croxley Park, Watford
Herts WD18 8YG

tel: 01923 665300
clientservices@bbacerts.co.uk
www.bbacerts.co.uk

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 Redland Cambrian Interlocking Slates, 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:	**B3(4)**	**Internal fire spread (structure)**
Comment:		The product is restricted by this Requirement. See section 2 of this Certificate.
Requirement:	**B4(1)**	**External fire spread**
Comment:		The product is restricted by this Requirement. See section 2 of this Certificate.
Requirement:	**B4(2)**	**External fire spread**
Comment:		The product may be restricted by this Requirement. See section 2 of this Certificate.
Requirement:	**C2(b)**	**Resistance to moisture**
Comment:		The product can contribute to satisfying this Requirement. See section 3 of this Certificate.
Regulation:	**7(1)**	**Materials and workmanship**
Comment:		The product is acceptable. See sections 8 and 9 of this Certificate.
Regulation:	**7(2)**	**Materials and workmanship**
Comment:		The product is restricted by this Regulation. See section 2 of this Certificate.

The Building (Scotland) Regulations 2004 (as amended)

Regulation:	**8(1)(2)**	**Fitness and durability of materials and workmanship**
Comment:		The product can contribute to a construction satisfying this Regulation. See sections 8 and 9 of this Certificate.
Regulation:	**8(3)**	**Fitness and durability of materials and workmanship**
Comment:		The product is restricted by this Regulation. See section 2 of this Certificate.
Regulation:	**9**	**Building standards applicable to construction**
Standard:	2.4	Cavities
Comment:		The product is restricted by this Standard, with reference to clause 2.4.2[(1)(2)]. See section 2 of this Certificate.
Standard:	2.6	Spread to neighbouring buildings
Comment:		The product is restricted by this Standard, with reference to clauses 2.6.4[(1)(2)] and 2.6.6[(2)]. See section 2 of this Certificate.
Standard:	2.7	Spread on external walls
Comment:		The product is restricted by this Standard, with reference to clause 2.7.1[(1)(2)]. See section 2 of this Certificate.

Standard:	2.8	Spread from neighbouring buildings
Comment:		The product may be restricted under this Standard, with reference to clause 2.8.1(1)(2). See section 2 of this Certificate.
Standard:	3.10	Precipitation
Comment:		The product can contribute to satisfying this Standard, with reference to clauses 3.10.1(1)(2) and 3.10.8(1)(2). See section 3 of this Certificate.
Standard:	7.1(a)	Statement of sustainability
Comment:		The product can contribute to satisfying 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 applicable to conversions**
Comment:		Comments in relation to the product 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)(i)**	**Fitness of materials and workmanship**
Comment:	**(iii)(b)(i)**	The product is acceptable. See sections 8 and 9 of this Certificate.
Regulation:	**23(2)**	**Fitness of materials and workmanship**
Comment:		The product is restricted by this Regulation. See section 2 of this Certificate.
Regulation:	**28(a)(b)**	**Resistance to moisture and weather**
Comment:		The product can contribute to satisfying this Regulation. See section 3 of this Certificate.
Regulation:	**35(4)**	**Internal fire spread – structure**
Comment:		The product may be restricted by this Regulation. See section 2 of this Certificate.
Regulation:	**36(a)**	**External fire spread**
Comment:		The product is restricted by this Regulation. See section 2 of this Certificate.
Regulation:		**External fire spread.**
Comment:	**36(b)**	The product may be restricted by this Regulation. See section 2 of this Certificate.

Additional Information

NHBC Standards 2023

In the opinion of the BBA, Redland Cambrian Interlocking Slates, if installed, used and maintained in accordance with this Certificate, can satisfy or contribute to satisfying the relevant requirements in relation to *NHBC Standards*, Chapters 6.1 *External masonry walls,* 6.2 *External timber framed walls* and 7.2 *pitched roofs.*

Fulfilment of Requirements

The BBA has judged Redland Cambrian Interlocking Slates to be satisfactory for use as described in this Certificate. The product has been assessed for use as a weatherproof finish to pitched roofs with a minimum rafter pitch of 15°, or hung vertically as a cladding on the outer face of external walls.

ASSESSMENT

Product description and intended use

The Certificate holder provided the following description for the product under assessment. Redland Cambrian Interlocking Slates consist of glass-fibre-reinforced polyester resin, crushed slate and fillers. When installed, the product gives the appearance of natural riven slate (see Figure 1).

Figure1 Redland Cambrian Interlocking Slates

The slates are supplied with blind nail holes, for fixing in accordance with BS 5534 : 2014.

The product has the nominal characteristics given in Table 1

Table 1 Nominal characteristics of Redland Cambrian Interlocking Slates

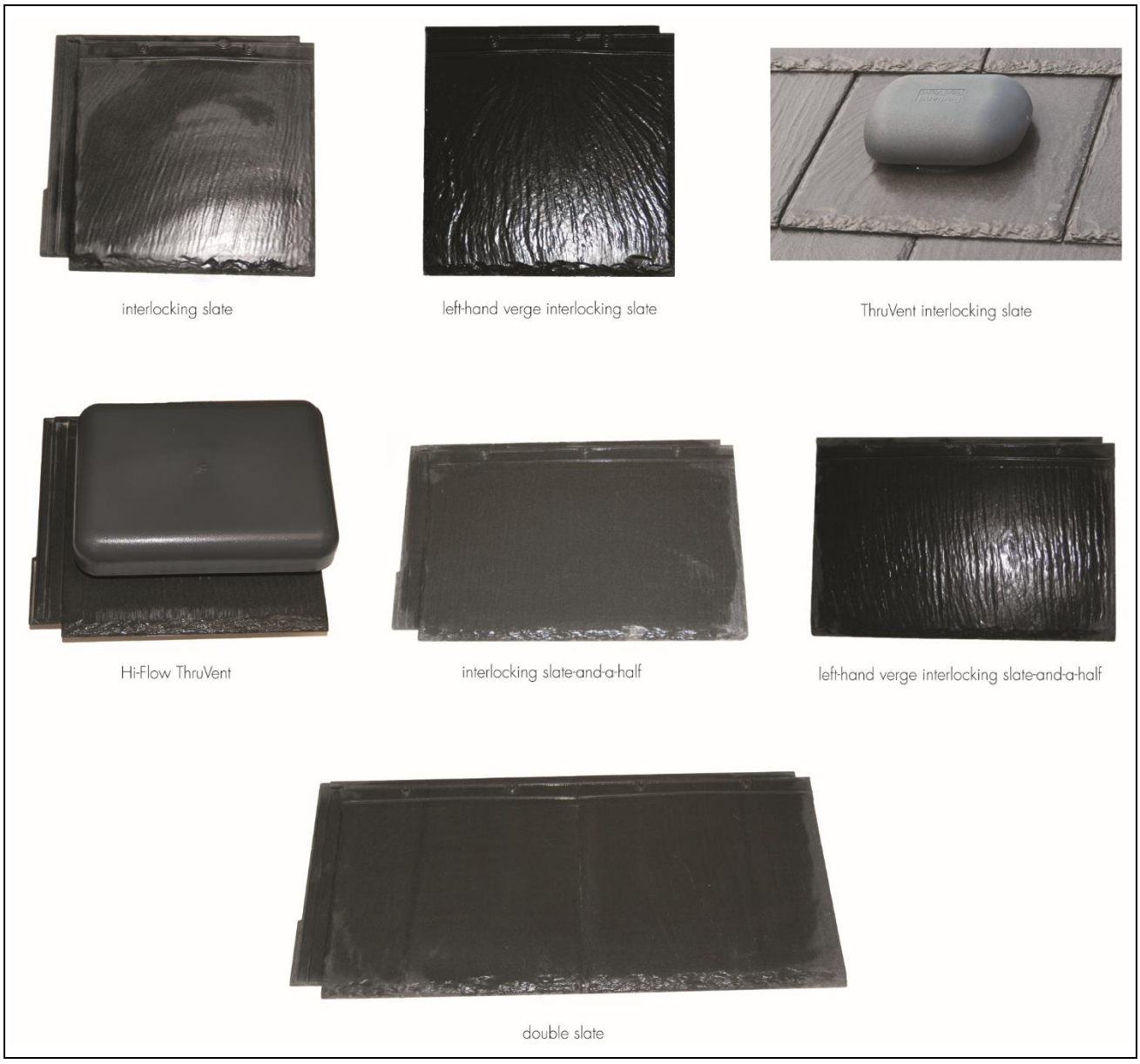
Characteristic (unit)		Standard slate	Slate-and-a-half	Double slate
Weight ($kg \cdot m^{-2}$)		17 to 18	17 to 18	17 to 18
Max gauge (mm)	pitches between 15 and 24°	225	225	225
	pitches greater than 25°	250	250	250
Length (mm)		300	300	300
Width (mm)		336	486	636
Colours		The slates are available in grey, green and heather		

Ancillary items

The Certificate holder recommends the following ancillary items for use with the product, but these materials have not been assessed by the BBA and are outside the scope of this Certificate (see Figure 2):

- Hi-Flow ThruVent and 4.5k ThruVent slates — to provide soil, mechanical and roof space ventilation
- stainless steel slate clips, eaves clip and verge clips
- dry ridge, hip and verge finishing systems
- left-hand verge slate and slate-and-a-half — for use at left-hand verges
- double-width slates — to facilitate coursing.

Figure 2 Types of slate



Product assessment – key factors

The product was assessed for the following key factors, and the outcomes of the assessments are shown below. Conclusions relating to the Building Regulations apply to the whole of the UK unless otherwise stated.

1 Mechanical resistance and stability

1.1 Mechanical properties

1.1.1 Results of mechanical resistance tests are given in Table 2.

Table 2 Mechanical resistance

Product assessed	Assessment method	Requirement	Result
Redland Cambrian Interlocking Slates	Flexural strength to MOAT 9 : 1973	Value achieved	42.4 MPa
Redland Cambrian Interlocking Slates	Elastic modulus to MOAT 9 : 1973	Value achieved	23.5 MPa
Redland Cambrian Interlocking Slates	Young's modulus to MOAT 9 : 1973	Value achieved	26.4 MPa

1.1.2 The product has adequate resistance to damage during site handling and installation on conventional roofs and walls.

1.1.3 The product has satisfactory resistance to the wind and snow loads likely to be encountered in service. In situations where high local loads may occur, the designer must seek the advice of the Certificate holder, but such advice is outside the scope of this Certificate. Consideration must also be given to the guidance contained in BRE Digest 439 : 1999.

2 Safety in case of fire

Data were assessed for the following characteristics.

2.1 External fire spread.

2.1.1 The product, when tested on a system comprising a bituminous draped underlay and wooden roofing battens, achieved an EXT.S.AA classification(1) in accordance with BS 476-3 : 2004. The classification applies to the grey slates.

(1) Report reference P108176-1000, Issue 1, issued by BRE Global Ltd and available from the Certificate holder upon request. The test was carried out in the sloping position.

2.1.2 This classification may not be achieved by other colours or constructions and can be affected by other components of the roof, eg insulation materials, substrates/decking and membranes. Other constructions should therefore be evaluated by reference to the requirements of the documents supporting the national Building Regulations and any consequent restrictions imposed by those documents, on a case-by-case basis. In the absence of a classification, a construction should not be used within 20 m of a boundary in England, Wales and Northern Ireland, and within 24 m in Scotland.

2.2 Reaction to fire

2.2.1 The product when tested on a system comprising a calcium silicate backing board and wooden battens in accordance with BS 476-6 : 1968 and BS 476-7 : 1971, achieved a fire propagation index (I) of 12.3, a sub-index (i_1) of 0.1 and a Class 2 surface(1).

(1) Report reference Certificate C74128/1, issued by Yarsley Technical Centre, and Test Report number 271737 issued by BRE Global Ltd. Copies are available from the Certificate holder upon request.

2.2.2 The Certificate holder has not declared a reaction to fire classification to BS EN 13501-1 : 2018.

2.2.3 In England, the product must not be used on walls or on a roof pitch of 70° or more, on buildings with a storey 18 m or more in height or on residential buildings more than 11 m in height or less than 1 m from a boundary. Restrictions also apply on some assembly and recreation buildings. These constructions must also be included in calculations of unprotected area.

2.2.4 In Wales, the product must not be used on walls or on a roof pitch of 70° or more on buildings with a storey 18 m or more in height or less than 1 m from a boundary. Restrictions also apply on assembly and recreation buildings. These constructions must also be included in calculations of unprotected area.

2.2.5 In Scotland and Northern Ireland, the product does not meet the minimum performance requirements specified in the relevant documents supporting the national Building Regulations. Specifiers must seek advice from the relevant local building control authority.

2.2.6 Where the product is to be carried over compartment walls, designers must ensure that the roof/wall junction detail provides sufficient resistance to fire penetrating into the neighbouring compartment.

2.2.7 Designers must refer to the relevant national Building Regulations and guidance for detailed conditions of use, particularly in respect of requirements for substrate fire performance, cavity barriers, service penetrations and combustibility limitations for other materials and components used in the overall construction.

3 Hygiene, health and the environment

Data were assessed for the following characteristics.

3.1 Weathertightness

The product, when used in conjunction with a suitable tile underlay or sarking on roofs at pitches of 15° or on walls, will provide satisfactory resistance to the passage of rain or snow.

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

Not applicable.

8 Durability

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

8.2 Specific test data were assessed, as shown in Table 3.

Table 3 Results of durability tests

Product assessed	Assessment method	Requirement	Result
Redland Cambrian Interlocking Slates	Young's modulus to MOAT 9 : 1973 after hot water immersion at 40°C	No significant loss of properties after ageing	
	7 days		Pass
	28 days		Pass
	56 days		Pass
	84 days		Pass
Redland Cambrian Interlocking Slates	Modulus of rupture to MOAT 9 : 1973 after hot water immersion at 40°C	No significant loss of properties after ageing	
	7 days		Pass
	28 days		Pass
	56 days		Pass
	84 days		Pass
Redland Cambrian Interlocking Slates	Flexural strength to MOAT 9 : 1973 after 2 hours in boiling water	No significant loss of properties after ageing	Pass
Redland Cambrian Interlocking Slates	Elastic modulus to MOAT 9 : 1973 after 2 hours in boiling water	No significant loss of properties after ageing	Pass
Redland Cambrian Interlocking Slates	Wet/heat cycling test on mock-up panel MOAT 48 : 1991 50 cycles at 5°C / 70°	No visible damage or change in appearance	Pass
Redland Cambrian Interlocking Slates	Resistance to acid immersion to BS 680- 2 : 1971 after immersion in sulfuric acid for 10 days	No signs of delamination, swelling, softening or flaking	Pass
Redland Cambrian Interlocking Slates	Colour stability to BS EN ISO 7724-1-3 : 1984	No significant colour change	Pass

8.2.1 On the basis of the data assessed, there may be a slight change in colour, but such fading will be consistent across any one elevation.

8.3 Service life

8.3.1 Under normal service conditions, the product will have a life expectancy of up to 60 years provided it is designed, installed and maintained in accordance with this Certificate and the Certificate holder's instructions.

8.3.2 The expected life may be reduced if the product is used in environments which subject the roof to abnormally high alkali levels (eg in the vicinity, and downwind, of cement works or chemical plants producing alkali pollution).

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 assessed in this Certificate.

9.1.2 Roofs and wall cladding incorporating the product and subject to the national Building Regulations must be designed and constructed in accordance with the relevant recommendations of BS 5250 : 2021, BS 5534 : 2014, BS 8000-0 : 2014 and BS 8000-6 : 2013. The designer must select a construction appropriate to its location, paying due attention to design detailing, workmanship and materials to be used.

9.1.3 The roof construction must be adequate to resist the loadings detailed in BS EN 1991-1-1 : 2002 and BS EN 1991-1-4 : 2005, and their UK National Annexes. The roof construction must be in accordance with the relevant requirements of BS 5534 : 2014.

9.1.4 It is essential that such roofs are designed and constructed to incorporate the normal precautions to prevent moisture penetration and the formation of condensation (eg by adequate ventilation).

9.1.5 The roof space and batten space must be adequately ventilated in accordance with BS 5250 : 2021.

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.

9.2.3 Slight colour variations may exist between batches; therefore, slates should be randomised on site to achieve a consistent appearance when installed.

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 product must be carried out by competent roofers/tilers/contractors experienced with this type of product.

9.4 Maintenance and repair

9.4.1 Ongoing satisfactory performance of the product in use requires that it is suitably maintained. The guidance provided by the Certificate holder was assessed by the BBA and found to be appropriate and adequate.

9.4.2 Roofs and walls covered with the product must be visually inspected twice a year to ensure continued satisfactory performance. Any damaged slates must be replaced.

9.4.3 Care is required when carrying out such maintenance work and the relevant recommendations contained in BS 5534 : 2014, BS 8000-0 : 2014 and BS 8000-6 : 2013 must be followed.

10 Manufacture

10.1 The production processes for the product 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. 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 product is delivered to site in packaging bearing the product name, date of manufacture, colour and shape, and the BBA logo incorporating the number of this Certificate.

11.2 The slates are banded in packs of 10 and delivered to site on pallets of 600, protected by a polythene wrapping. Hi-Flow ThruVent and 4.5k ThruVent slates are available individually. Other fittings are available banded in packs of 10, except double-width slates, which are banded in packs of 5.

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

11.3.1 The product must be stored on a dry, level base in a dry, protected area away from direct sunlight and the possibility of damage.

ANNEX A – SUPPLEMENTARY INFORMATION †

Supporting information in this Annex is relevant to the product 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 BSI (Certificate FM 11309).

Additional information on installation

General

A.1 The product is installed on pitched roofs or hung vertically as a cladding on the outer face of external walls, strictly in accordance with the Certificate holder's instructions, BS 5534 : 2014, BS 8000-0 : 2014 and BS 8000-6 : 2013. Consideration should also be given to the advice contained in BRE Defect Action Sheets DAS 124 : 1998 and DAS 125 : 1988.

A.2 Where the product is to be used on an existing boarded roof structure, the relevant recommendations contained in BS 5534 : 2014, Section 6, Clause 6.14, BS 8000-0 : 2014 and BS 8000-6 : 2013 Section 11 on re-covering, must be followed. Consideration should also be given to the advice contained in BRE Defect Action Sheets DAS 124 : 1988 and DAS 125 : 1988.

A.3 The product may be cut (eg at abutments, verges, hips and valleys), using a carborundum disc cutter. Additional holes may be drilled using a rotary masonry drill.

A.4 If it is necessary to cut slates using a dust-generating technique, and on such a scale as to generate excessive concentrations of dust, the measures defined in Health and Safety Executive Guidance Note EH44 must be followed.

A.5 Any roof or wall clad in slate should be treated as fragile, and the recommendations contained in section 9.4.3 must be followed. Precautions must be taken to prevent danger to the public from falling broken or displaced slates.

Procedure

A.6 The slates are laid interlocking and each fixed using two 30 mm ring-shank, stainless steel nails and one stainless steel slate clip. Special clips are available for use at eaves and verges (see Figures 3 to 5).

Figure 3 Cambrian verge and slate clips

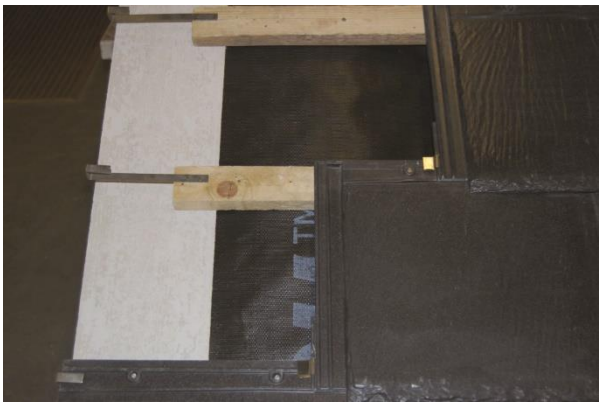
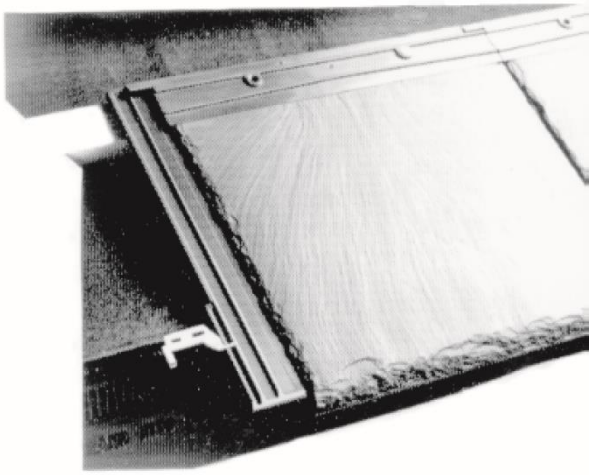


Figure 4 Cambrian slate clips

Figure 5 Cambrian eaves clip



A.7 It is essential that the fixing clips are correctly installed, and the interlocks sit neatly in position.

A.8 Care is required to ensure that nails are not overdriven. Nails should be tapped rather than driven home.

A.9 Each slate/shake must be seated down correctly, adjacent to the previous one and with the course below. Butt joints between products must be properly constructed to provide the required degree of weathertightness and dimensional accuracy.

A.10 Ridge details may be completed using dry ridge systems (outside the scope of this Certificate). Alternatively, traditional mortar-bedded methods may be used, with the condition that all ridge tiles are mechanically fixed.

A.11 Hip details may be completed using the dry hip systems (outside the scope of this Certificate). Alternatively, traditional mortar-bedded methods may be used, with the condition that all hip tiles are mechanically fixed.

A.12 Verge details are completed using dry verge systems (outside the scope of the Certificate). Alternatively, traditional mortar-bedded methods can be used, with the condition that all verge slates are mechanically fixed.

Repair

A.13 Damaged slates should be replaced in accordance with the Certificate holder's instructions and the relevant sections of BS 5534 : 2014, BS 8000-0 : 2014 and BS 8000-6 : 2013.

A.14 The Certificate holder's advice should be sought regarding the replacement of isolated slates, but such advice is outside the scope of this Certificate.

Bibliography

BRE Digest 439 : 1999 *Roof loads due to local drifting snow*

BS 476-3 : 2004 *Fire tests on building materials and structures — Classification and method of test for the external fire exposure to roofs*
BS 476-6 : 1968 + A1 : 2009 *Fire tests on building materials and structures — Method of test for fire propagation for products*
BS 476-7 : 1971 *Fire tests on building materials and structures —Method of test to determine the classification of the surface spread of flame of products*

BS 680- 2 : 1971 *Specification for roofing slates — Metric units (AMD 9212)*

BS 5250 : 2021 *Management of moisture in buildings — Code of practice*

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

BS 8000-0 : 2014 *Workmanship on construction sites — Introduction and general principles*
BS 8000-6 : 2013 *Workmanship on building sites — Code of practice for slating and tiling of roofs and walls*

BS EN 1991-1-1 : 2002 *Eurocode 1 — Actions on structures — General actions*
BS EN 1991-1-4 : 2005 *Eurocode 1 — Actions On Structures — General Actions — Wind Actions (British Standard)*

BS EN 13501-1 : 2018 Fire classification of construction products and building elements. Classification using data from reaction to fire tests

BS EN ISO 7724-1-3 : 1984 *Paints and varnishes — Colorimetry — Part 1: Principles*

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

DAS 124 : 1998 *Pitched roofs : Renovation of older type timber roofs — re-tiling and re-slating*

DAS 125 : 1988 *Pitched roofs : Re-tiling or re-slating older type timber roofs*

MOAT 9 : 1973 *Directive for the Assessment of Products in Glass-Reinforced Polyester for use in Building*

MOAT 48 : 1991 *Technical guide for the assessment of the durability of then fibre reinforced cement products (without asbestos) for external use*

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
- is valid only within the UK
- 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
- is subject to English Law.

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.

British Board of Agrément
1st Floor, Building 3, Hatters Lane
Croxley Park, Watford
Herts WD18 8YG
tel: 01923 665300
clientservices@bbacerts.co.uk
www.bbacerts.co.uk