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Agrément Certificate
25/7497
Product Sheet 2 Issue 1

SWISSPEARL ROOFING AND CLADDING PRODUCTS

CEMSIX

This Agrément Certificate Product Sheet(1) relates to Cemsix, fibre-reinforced cement tiles in plain unpainted and acrylic painted finishes, for use on conventional pitched timber roofs with a minimum pitch of 20° or hung vertically as cladding on external walls, in domestic and non-domestic buildings.

(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: 12 January 2026

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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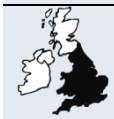
SUMMARY OF ASSESSMENT AND COMPLIANCE

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 Cemsix, 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 product can contribute to satisfying this Requirement. See section 1 of this Certificate.
Requirement:	**B3(2)**	**Internal fire spread (structure)**
Comment:		The product may be restricted by this Requirement. See section 2 of this Certificate.
Requirement:	**B3(4)**	**Internal fire spread (structure)**
Comment:		The product can contribute to satisfying this Requirement. See section 2 of this Certificate.
Requirement:	**B4(1)**	**External fire spread**
Comment:		The product may be unrestricted by this Requirement. See section 2 of this Certificate.
Requirement:	**B4(2)**	**External fire spread**
Comment:		The product may be unrestricted by this Requirement. See section 2 of this Certificate.
Requirement:	**C2(b)**	**Resistance to moisture**
Comment:		The product can contribute to a construction 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 may be unrestricted 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 may be unrestricted by this Regulation. See section 2 of this Certificate.
Regulation:	**9**	**Building standards – construction**
Standard:	1.1(a)(b)	Structure
Comment:		The product can contribute to satisfying this Standard, with reference to clause 1.1.1[(1)(2)]. See section 1 of this Certificate.
Standard:	2.1	Compartmentation
Standard:	2.2	Separation
Standard:	2.3	Structural protection

Comment:		The product can contribute to satisfying these Standards, with reference to clauses 2.1.1(2), 2.1.12(2), 2.2.1(1)(2), 2.2.4(2), 2.2.5(2), 2.2.6(1), 2.2.7(1), 2.2.8(1) and 2.3.2(1)(2). See section 2 of this Certificate.
Standard:	2.4	Cavities
Comment:		The product can contribute to satisfying 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 may be unrestricted 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 may be unrestricted 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 unrestricted 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 construction 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 – conversion**
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) (iii)(b)(i)**	**Fitness of materials and workmanship**
Comment:		The product is acceptable. See sections 8 and 9 of this Certificate.
Regulation:	**23(2)**	**Fitness of materials and workmanship**
Comment:		The product may be unrestricted by this Regulation. See section 2 of this Certificate.
Regulation:	**28(b)**	**Resistance to moisture and weather**
Comment:		The product can contribute to a construction satisfying this Regulation. See section 3 of this Certificate.
Regulation:	**30**	**Stability**
Comment:		The product can contribute to satisfying this Regulation. See section 1 of this Certificate.
Regulation:	**35(4)**	**Internal fire spread structure**
Comment:		The product may contribute to satisfying this Regulation. See section 2 of this Certificate.
Regulation:	**36(a)**	**External fire spread**
Comment:		The product may be unrestricted by this Regulation. See section 2 of this Certificate.
Regulation:	**36(b)**	**External fire spread**
Comment:		The product may be unrestricted by this Regulation. See section 2 of this Certificate.

Additional Information

NHBC Standards 2026

In the opinion of the BBA, Cemsix 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*.

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 Cemsix to be satisfactory for use as described in this Certificate. The product has been assessed as fibre-reinforced cement roof and wall cladding tiles in plain unpainted and acrylic painted finishes, for use on conventional pitched timber roofs with a minimum pitch of 20° or hung vertically as cladding on external walls, in domestic and non-domestic buildings.

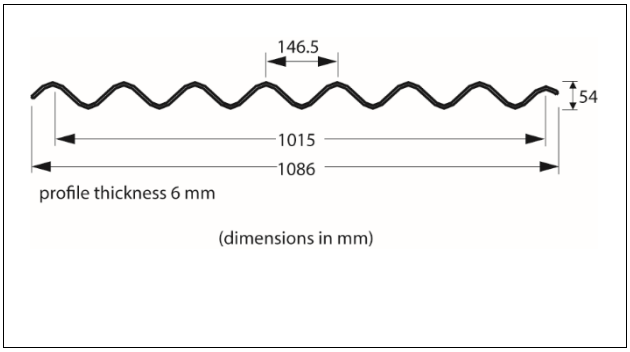
ASSESSMENT

Product description and intended use

The Certificate holder provided the following description for the product under assessment. Cemsix consists of cement, cellulose, polymeric fibres and filler and resembles traditional profiled clay and concrete tiles, and is available in the profiles and sizes given in Figure 1. Polypropylene cords are inserted along the full length of each corrugation for increased strength.

The product is available uncoated, or including an acrylic coating on the exposed side and a primer and wax layers on the unexposed (reverse) side. The coated product is available in Blue, Tile Red, Black, Olive Green and Laurel Green.

Figure 1 Cemsix



The product has the nominal characteristics given in Table 1.

Table 1 Nominal characteristics

Characteristic (units)	
Thickness (mm)	6.0
Width (mm)	1086
Length (mm)	Various lengths between 1375 and 3660
Weight ($kg \cdot m^{-2}$)	17
Density ($kg \cdot m^{-3}$)	1600

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:

- Cemsix barge board
- Cemsix roll top barge board
- one piece finial
- Cemsix cranked barge board
- Cemsix cranked roll top barge board
- two-piece roll top finial
- Cemsix cranked crown ridge
- Cemsix two-piece close-fitting ridge
- Cemsix two-piece plain wing ridge
- Cemsix cranked crown ventilation ridge
- Cemsix two-piece ventilation ridge
- Cemsix open protected ridge
- plain wing angle ridge
- Cemsix movement joint
- Cemsix apron flashing piece
- Universal Ridge
- fixings.

Product assessment – key factors

The product was assessed for the following key factors, and the outcome of the assessments is 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
Cemsix	Bending moment to BS EN 494 : 1994	Classification achieved at - minimum breaking load 4250 $N \cdot m^{-1}$ - minimum bending moment 55 $Nm \cdot m^{-2}$	Class C1X
Cemsix	Fragility to ACR[M]001 : 2000	Classification achieved	Class C (non-fragile assembly)

1.1.2 On the basis of data assessed, the product has adequate resistance to damage during site handling and installation using conventional roofing methods.

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 satisfies the requirements for external fire performance without the need for testing by Commission Decision 2000/553/EC, and so its use as roofing is unrestricted in terms of proximity to a relevant boundary by the documents supporting the national Building Regulations.

2.1.2 This classification can be affected by other components in the completed roof assembly. The classification and permissible areas of use of such assemblies must be established in accordance with the documents supporting the national Building Regulations.

2.2. Reaction to f ire

2.2.1 The product was tested for reaction to fire and the classifications achieved are given in Table 3.

Table 3 Reaction to fire classification

Product assessed	Assessment method	Requirement	Result
Cemsix (coated)	CSN EN 13501-1 : 2018	Value achieved	A2-s1, d0[(1)(2)]
Cemsix (uncoated)			A1[(1)(3)]

(1) When fixed to a wooden construction or to a construction with a reaction to fire classification of A1 or A2-s1, d0.
(2) Test report number: PK1-23-083-E-0 issued by PAVUS, a.s.; copies available from the Certificate holder on request.
(3) Test report number PK1-23-082-E-0, issued by PAVUS a.s.; copies available from the Certificate holder on request.

2.2.2 The reverse side (facing into a cavity) also has the reaction to fire classifications given in Table 3.

2.2.3 The classification and permissible areas of use of other constructions must be established in accordance with the documents supporting the national Building Regulations.

2.2.4 Other than in the constructions defined in sections 2.2.5 to 2.2.7, the constructions defined in Table 3 are not subject to any restriction on building height or proximity to a relevant boundary.

2.2.5 In England, the product must not be used with timber battens on pitches greater than 70° on buildings that have a storey more than 18 m above ground level and which contain one or more dwellings, an institution, a room for residential purposes, a room in a hostel, hotel or boarding house, student accommodation, care homes, sheltered housing, hospitals or dormitories in boarding schools.

2.2.6 In Wales and Northern Ireland, the product must not be used with timber battens on pitches greater than 70° on buildings that have a storey at least 18 m above ground level and which contain one or more dwellings, an institution, a room for residential purposes (excluding any room in a hostel, hotel or boarding house), student accommodation, care homes, sheltered housing, hospitals or dormitories in boarding schools and additionally, in Northern Ireland, nursing homes and places of lawful detention.

2.2.7 In Scotland, the product must not be used with timber battens on pitches greater than 70° on buildings with a storey 11 m or more above the ground.

2.2.8 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.

2.2.9 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

3.1.1 Results of weathertightness tests are given in Table 4.

Table 4 Weathertightness

Product assessed	Assessment method	Requirement	Result
Cemsix	Characteristic water absorption to MOAT 48 : 1991	Value achieved	13 %
	Water permeability to BS EN 494 : 1994	No penetration of water or dampness	Pass

3.1.2 On the basis of data assessed, the product is suitable for use in back-ventilated and drained cladding systems; it does not provide a watertight or airtight facing but will contribute to resisting the passage of rainwater to the supporting structure.

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 given in Table 5.

Table 5 Durability

Product assessed	Assessment method	Requirement	Result
Cemsix	Bending breaking load after water immersion to BS EN 494 : 1994	$R_L \geq 0.75$	Pass
	Flexural strength to BS EN 15283-1 : 2008 after 25 soak/dry cycles to BS EN 12467 : 2012	$R_L \geq 0.75$	Pass
	Flexural strength to BS EN 15283-1 : 2008 after 50 soak/dry cycles to BS EN 12467 : 2012	$R_L \geq 0.75$	Pass
	Flexural strength to BS EN 15283-1 : 2008 after UV exposure to BS EN 13859-1 : 2010	$R_L \geq 0.75$	Pass
	Flexural strength to BS EN BS EN 15283-1 : 2008 after freeze/thaw cycling to BS EN 12467 : 2012	$R_L \geq 0.75$	Pass
	Flexural strength to BS EN 15283-1 : 2008 after 25 heat/rain cycles to BS EN 12467 : 2012	$R_L \geq 0.75$	Pass
	Flexural strength to BS EN 15283-1 : 2008 after 50 heat/rain cycles to BS EN 12467 : 2012	$R_L \geq 0.75$	Pass
	Resistance to algal growth to MOAT 33 : 1986	≤1	Pass
	Resistance to artificial weathering to MOAT 33 : 1986, BS 3900 – D8 : 1986 and BS 3900 – D10 : 1986 UV aged 1000 hours	No significant colour change	Pass

8.3 Service life

8.3.1 Under normal service conditions, the product will have a life in excess of 30 years, provided it is designed, installed and maintained in accordance with this Certificate and the Certificate holder's instructions.

8.3.2 Any colour change will be slight and uniform on any one elevation and the product will have a decorative life in excess of 15 years.

8.3.3 In common with other cementitious materials, the product will carbonate and embrittle with time. Differential carbonation may cause slight bowing of the product.

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.

Walls

9.1.2 Design wind actions must be calculated by a suitably experienced and competent individual in accordance with BS EN 1991-1-4 : 2005 and its UK National Annex. Due consideration must be given to higher pressure coefficients applicable to corners of the building as recommended in this Standard. In accordance with BS EN 1990 : 2002, it is recommended that a partial load factor is used to determine the design wind load to be resisted by the cladding system.

9.1.3 The designer must ensure that:

- the design of the vertical sub-frame and its fixings is in accordance with the relevant codes and Standards, such as to limit mid-span deflections to span/200 and cantilever deflections to span/150
- the panels are fixed to the vertical support sub-frame using the specified fixings
- the specified panel fixings have adequate tensile and pull-out strength to resist the applied actions
- fixing of the vertical support sub-frame(1) to the substrate wall has adequate tensile pull-out strength and corrosion resistance. An appropriate number of site-specific pull-out tests must be conducted on the substrate wall to determine the minimum pull-out resistance to failure of the fixings. The characteristic pull-out resistance must be determined in accordance with the guidance given in EOTA TR055 : 2016, using 50% of the mean value of the five smallest measured values at the ultimate load.

(1) Outside the scope of this Certificate.

9.1.4 The substrate wall and the sub-frame to which the product is fixed must be structurally sound and satisfy the requirements of the relevant national Building Regulations and Standards.

9.1.5 The supporting wall must be able to take the full wind loads and any racking loads on its own. No contribution from the cladding system may be assumed in this respect.

9.1.6 For new substrate walls, the designer must ensure that:

- brickwork or blockwork walls are designed and constructed in accordance with the relevant sections of BS EN 1996-1-1 : 2005, BS EN 1996-1-2 : 2005, BS EN 1996-2 : 2006 and BS EN 1996-3 : 2006, and their UK National Annexes, and PD 6697 : 2019, or one of the technical specifications given in the relevant documents supporting the national Building Regulations
- timber-frame walls are designed and constructed in accordance with the relevant sections of BS EN 1995-1-1 : 2004 and its UK National Annex, and preservative-treated where necessary, in accordance with BS 8417 : 2011. Guidance on recommended wood preservation is also given in *NHBC Standards* 2026, Part 3 *General*, Chapter 3.3 *Timber preservation (natural solid timber)*
- steel-frame walls are designed and constructed in accordance with the relevant sections of BS EN 1993-1-1 : 2005 and its UK National Annex. The installation of vertical timber battens or metal support rails must be aligned and fixed directly through to the vertical structural steel framework.

9.1.7 Ventilation and drainage must be provided behind the cladding. All ventilation openings around the periphery of a cladding system incorporating the panels must be suitably protected with mesh to prevent the ingress of birds, vermin and insects. The horizontal and vertical joints between panels are open with a minimum spacing of 10 mm.

9.1.8 Care must be taken to ensure that sufficient time is allowed for complete fixing or drying of the timber preservative before the panels are fixed.

9.1.9 The cavity gap behind the cladding must have a minimum width of 50 mm and must be drained and ventilated. The cavity drainage and ventilation gap should provide openings with a minimum ventilation area of 500 mm^2 per metre run along the base and head of any rainscreen wall.

9.1.10 The product is not weathertight and, when used on timber stud or on metal frame substrate walls, must be backed by a breather membrane(1) acting as a vapour-permeable water barrier, incorporated behind the cladding under the supporting battens. Where insulation is used in the cavity, the breather membrane must be provided over the outer face of the insulation.

(1) Outside the scope of this Certificate

9.1.11 Provision must always be made to allow water that has penetrated behind the cladding to drain away.

Roofs

9.1.12 Roofs 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.

9.1.13 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.

9.1.14 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).

9.1.15 Care must be taken to ensure that sufficient time is allowed for complete fixing or drying of the timber preservative before the product is fixed.

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 BS 5534 : 2014, BS 5427-1 : 2016, BS 8000-0 : 2014, BS 8000-6 : 2013 and BS 8219 : 2001, this Certificate and the Certificate holder's instructions. A summary of instructions and guidance is provided in Annex A.

9.2.3 Regular checks must be carried out to ensure that gaps between mitred corners and end overlaps remain constant.

9.2.4 Holes for fixing the products must be drilled in their exact positions, over the centre line of the timber battens.

9.2.5 Screw holes must be drilled through the crown of the corrugation and must be between 2 and 3 mm larger than the screw diameter, to allow for small movements of the products.

9.2.6 When fixing with concealed nail-fixing hooks, if additional holes (eg at the ridge) are required in corrugation valleys they must be drilled 8 mm in diameter.

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 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 The following requirements apply in order to satisfy the performance assessed in this Certificate:

9.4.2.1 Annual maintenance inspections of the product surface, ventilation gaps, joints and fixings must be carried out to ensure they are clear and in good state. The inspection must also detect the need for repair of damage that will prolong the life of the product.

9.4.2.2 For normal soiling, the surface of the product can be cleaned with cold or lukewarm water mixed with a water-based detergent, applied with a suitable cleaning pad or sponge. For more difficult soiling, the Certificate holder's advice should be sought, but such advice is outside the scope of this Certificate.

9.4.2.3 Care is required when carrying out maintenance work on any roof or cladding, and the relevant recommendations of BS 5534 : 2014, BS 8000-0 : 2014 and BS 8000-6 : 2013 must be followed.

9.4.2.4 Abraded areas of the coated products must be re-coated. Any difference in colour between new and existing tiles may be noticeable, but should be acceptable under normal circumstances.

9.4.2.5 The Certificate holder's advice must be sought concerning the suitability of coatings for remedial work, but such advice and products are outside the scope of this Certificate.

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.

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 product is delivered to site protected by a shrink-wrapped polythene cover in packaging bearing the Certificate holder and product names and dimensions.

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

11.2.1 The product must be stored on a dry, level base in dry conditions under cover, away from the possibility of damage.

11.2.2 The shrink-wrapped cover must not be removed during transportation or storage and must not be regarded as sufficient protection for external storage.

11.2.3 When stacking, tiles should be aligned in exactly the same way as the one underneath. Individual stacks must not exceed 1200 mm in height.

11.2.4 To prevent surface damage during handling, the product must be lifted clear of the stack rather than dragged across it.

†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.

CE marking

The Certificate holder has taken the responsibility of CE marking the product in accordance with harmonised European Standard EN 494 : 2012.

Management Systems Certification for production

The management systems of the manufacturer have been assessed and registered as meeting the requirements of ISO 9001 : 2015 and ISO 14001 : 2015 by 3EC International Czech Republic (Certificates Q-1838C/23 and E-0853C/23 respectively).

Additional information on installation

A.1 When used on large roof areas, tiles should be selected from the same batch to ensure consistent appearance. The colour of individual products can vary or may change on weathering, and therefore a perfect colour match cannot be assumed. This should be considered during installation, repair or replacement of the product.

A.2 Mitring of corners should be strictly in accordance with the Certificate holder's instructions and carried out on the ground.

A.3 If it is necessary to cut the products 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 *Dust in the workplace : general principles of protection,* must be followed.

Bibliography

ACR[M]001 : 2000 *Test for Fragility of Roofing Assemblies*

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

BS 3900 D8-10 : 1986 *Methods of test for paints — General introduction*

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

BS 5427-1 : 2016 *Code of practice for the use of profiled sheet for roof and wall cladding on buildings — Design*

BS 5502-20 : 1991 *Buildings and structures for agriculture — Code of practice for general design considerations*

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 8219 : 2001 + A1 : 2013 *Installation of sheet roof and wall coverings — Profiled fibre cement — Code of practice*

BS 8417 : 2011 + A1 : 2014 *Preservation of wood — Code of practice*

BS EN 494 : 1994 *Fibre-cement profiled sheets and fittings for roofing — Product specification and test methods*

BS EN 1990 : 2002 *Eurocode: Basis of structural and geotechnical design*

BS EN 1991-1-1 : 2002 *Eurocode 1: Actions on structures — General actions — Densities, self-weight, imposed loads for buildings*
NA to BS EN 1991-1-1 : 2002 UK National Annex to *Eurocode 1: Actions on structures — General actions — Densities, self-weight, imposed loads for buildings*
BS EN 1991-1-4 : 2005 *Eurocode 1: Actions on structures — General actions — Wind actions*
NA to BS EN 1991-1-4 : 2005 UK National Annex to Eurocode 1. Actions on structures — General actions — Wind actions

BS EN 1993-1-1 : 2005 + A1 : 2014 *Eurocode 3: Design of steel structures — General rules and rules for buildings*
NA to BS EN 1993-1-1 : 2005 + A1 : 2014 UK National Annex to *Eurocode 3: Design of steel structures — General rules and rules for buildings*

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 1996-1-1 : 2005 + A1 : 2012 *Eurocode 6: Design of masonry structures — General rules for reinforced and unreinforced masonry structures*
NA to BS EN 1996-1-1 : 2005 + A1 : 2012 UK National Annex to *Eurocode 6: Design of masonry structures — General rules for reinforced and unreinforced masonry structures*
BS EN 1996-1-2 : 2005 *Eurocode 6: Design of masonry structures — Part 1-2: Structural fire design*
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BS EN 1996-2 : 2006 *Eurocode 6: Design of masonry structures — Design considerations, selection of materials and execution of masonry*
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BS EN 12467 : 2012 + A2 : 2018 *Fibre-cement flat sheets — Product specification and test methods*

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BS EN 15283-1 : 2008 + A1 : 2009 *Gypsum boards with fibrous reinforcement — Definitions, requirements and test methods — Gypsum boards with mat reinforcement*

CSN EN 13501-1 : 2018 *Fire classification of construction products and building elements — Classification using test data from reaction to fire tests*

EN 494 : 2012 + A1 : 2015 *Fibre-cement profiled sheets and fittings — Product specification and test methods*

EOTA TR055 : 2016 *Design of fastenings based on EAD 330232-00-0601, EAD 330499-00-0601 and EAD 330747-00-0601*

ISO 9001 : 2015 *Quality management systems — Requirements*

ISO 14001 : 2015 *Environmental management systems — Requirements with guidance for use*

MOAT 33 : 1986 *UEAtc Technical Guide for the Assessment of Masonry Coatings*

MOAT 48 : 1991 *UEAtc Technical Guide for the Assessment of the Durability of Thin Fibre Reinforced Cement Products (without Asbestos) for External Use*

PD 6697 : 2019 *Recommendations for the design of masonry structures to BS EN 1996-1-1 and BS EN 1996-2*

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