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Agrément Certificate

24/7271

Product Sheet 1 Issue 1

ROCKSILK EWI

ROCKSILK EWI SLAB

This Agrément Certificate Product Sheet⁽¹⁾ relates to Rocksilk⁽²⁾ EWI Slab, comprising unfaced rock mineral wool (MW) insulation slabs, treated with a water-repellent additive, for use as part of external wall insulation systems⁽³⁾ on the outside of external masonry or concrete walls in new or existing domestic and non-domestic buildings.

(1) Hereinafter referred to as 'Certificate'.

(2) Rocksilk is a registered trademark

(3) The performance of individual external wall insulation systems is outside the scope of this 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. The 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: 16 January 2025

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 RocksilK EWI Slab, 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: B4(1)	External fire spread
Comment:	The product is unrestricted by this Requirement. See section 2 of this Certificate.
Requirement: C2(c)	Resistance to moisture
Comment:	The product can contribute to satisfying this Requirement. See section 3 of this Certificate.
Requirement: L1(a)(i)	Conservation of fuel and power
Comment:	The product can contribute to satisfying this Requirement; however compensating fabric measures may be required. See section 6 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 unrestricted by this Regulation. See section 2 of this Certificate.
Regulation: 25B	Nearly zero-energy requirements for new buildings
Regulation: 26	CO₂ emission rates for new buildings
Regulation: 26A	Fabric energy efficiency rates for new dwellings (applicable to England only)
Regulation: 26A	Primary energy consumption rates for new buildings (applicable to Wales only)
Regulation: 26B	Fabric performance values for new dwellings (applicable to Wales only)
Regulation: 26C	Target primary energy rates for new buildings (applicable to England only)
Comment:	The product can contribute to satisfying these Regulations; however compensating fabric/service measures may be required. See section 6 of this Certificate.



The Building (Scotland) Regulations 2004 (as amended)

Regulation: 8(1)	Fitness and durability of materials and workmanship
Comment:	The product can contribute to the 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 unrestricted by this Regulation. See section 2 of this Certificate.
Regulation: 9	Building standards applicable to construction
Standard: 1.1	Structure
Comment:	The product can contribute to satisfying this Standard. See section 1 of this Certificate.

Standard: Comment:	2.6	Spread to neighbouring buildings The product is unrestricted by this Standard, with reference to clauses 2.6.4 ⁽¹⁾⁽²⁾ , 2.6.5 ⁽¹⁾ and 2.6.6 ⁽²⁾ . See section 2 of this Certificate.
Standard: Comment:	2.7	Spread on external walls The product is unrestricted by this Standard, with reference to clause 2.7.1 ⁽¹⁾⁽²⁾ . See section 2 of this Certificate.
Standard: Comment:	3.15	Condensation The product can contribute to satisfying this Standard, with reference to clauses 3.15.1 ⁽¹⁾⁽²⁾ , 3.15.4 ⁽¹⁾⁽²⁾ and 3.15.5 ⁽¹⁾⁽²⁾ . See section 3 of this Certificate.
Standard: Comment:	6.1(b)(c)	Energy demand The product can contribute to satisfying this Standard, with reference to clauses 6.1.1 ⁽¹⁾ and 6.1.6 ⁽¹⁾ ; however compensating fabric/service measures may be required. See section 6 of this Certificate.
Standard: Comment:	6.2	Building insulation envelope The product can contribute to satisfying this Standard, with reference to clauses (or parts of) 6.1.1 ⁽¹⁾ , 6.1.2 ⁽²⁾ , 6.1.6 ⁽¹⁾ , 6.2.1 ⁽¹⁾⁽²⁾ , 6.2.3 ⁽¹⁾ , 6.2.4 ⁽²⁾ , 6.2.5 ⁽²⁾ , 6.2.6 ⁽¹⁾ , 6.2.7 ⁽¹⁾ , 6.2.8 ⁽²⁾ , 6.2.9 ⁽¹⁾⁽²⁾ , 6.2.10 ⁽¹⁾ , 6.2.11 ⁽¹⁾⁽²⁾ , 6.2.12 ⁽²⁾ and 6.2.13 ⁽¹⁾⁽²⁾ ; however compensating fabric measures may be required. See section 6 of this Certificate.
Standard: Comment:	7.1(a)(b)	Statement of sustainability The product can contribute to satisfying the relevant requirements of Regulation 9, Standards 1 to 6, and therefore will contribute to a construction meeting the bronze level of sustainability as defined in this Standard. In addition, the product can contribute to a construction meeting a higher level of sustainability as defined in this Standard, with reference to clauses 7.1.4 ⁽¹⁾ , 7.1.6 ⁽¹⁾⁽²⁾ , 7.1.7 ⁽¹⁾ and 7.1.9 ⁽²⁾ . See section 6 of this Certificate.
Regulation: Comment:	12	Building standards - conversion 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: Comment:	23(1)(a)(i) (iii)(b)(i)(ii)	Fitness of materials and workmanship The product is acceptable. See sections 8 and 9 of this Certificate.
Regulation: Comment:	23(2)	Fitness of materials and workmanship The product is unrestricted by this Regulation. See section 2 of this Certificate.
Regulation: Comment:	29	Condensation The product can contribute to satisfying this Regulation. See section 3 of this Certificate.
Regulation: Comment:	30	Stability The product can contribute to satisfying this Regulation. See section 1 of this Certificate.
Regulation: Comment:	36(a)	External fire spread The product is unrestricted by this Regulation. See section 2 of this Certificate.
Regulation: Comment:	39(a)(i)	Conservation measures The product can contribute to satisfying this Regulation; however compensating fabric measures may be required. See section 6 of this Certificate.

Regulation:	40(2)	Target carbon dioxide emission rate
Regulation:	43(1)(2)	Renovation of thermal elements
Regulation:	43B	Nearly zero-energy requirements for new buildings
Comment:	The product can contribute to satisfying these Regulations; however compensating fabric/service measures may be required. See section 6 of this Certificate.	

Additional Information

NHBC Standards 2025

In the opinion of the BBA, Rocksilk EWI Slab, 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* and 6.9 *Curtain walling and cladding*.

Fulfilment of Requirements

The BBA has judged Rocksilk EWI Slab to be satisfactory for use as described in this Certificate. The product has been assessed as a component of external wall insulation systems⁽¹⁾, used to reduce the thermal transmittance (U value) of external walls of masonry, normal weight concrete, lightweight concrete, autoclaved concrete and no-fines concrete construction, on new or existing domestic and non-domestic buildings (with or without existing render), as described in this Certificate.

(1) The performance of individual external wall insulation systems is outside the scope of this Certificate.

ASSESSMENT

Product description and intended use

The Certificate holder provided the following description for the product under assessment. Rocksilk EWI Slab consists of unfaced rock mineral wool (MW) insulation slabs treated with a water-repellent additive.

The product has the nominal characteristics given in Table 1.

Table 1 Nominal characteristics

Characteristic (unit)	Rocksilk EWI Slab
Length (mm)	1200
Width (mm)	600
Thickness (mm) ⁽¹⁾	50 to 270
Squareness	Length and width ≤ 5 mm·m deviation from squareness
Flatness	Length and width ≤ 6 mm deviation from flatness

(1) Other thicknesses in the above range are available on request.

Ancillary Items

Edge profiles are essential to use with the product and have been assessed with the product.

The product has been assessed for incorporation as part of external wall insulation systems, but the other components of such systems have not been assessed by the BBA and are outside the scope of this Certificate.

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

Data were assessed for the following characteristics.

1.1 Behaviour under loading

1.1.1 Pull-through tests were carried out on example fixings⁽¹⁾⁽²⁾, and the calculated characteristic pull-through strengths are given in Table 2.

(1) Outside the scope of this Certificate.

(2) Alternative fixings may be used provided that they can be demonstrated to have equal or higher pull out, plate diameter and plate stiffness characteristics.

Table 2 Characteristic pull through strength of fixings

Product assessed	Assessment method	Requirement	Result
Rocksilk EWI Slab (100 mm) <i>EJOT H1 Eco</i> (60 mm head)	BS EN 16382 : 2016	Value achieved	404.22 N (panel centre) 294.18 N (panel joint)
Rocksilk EWI Slab (100 mm) <i>EJOT H1 Eco</i> (60 mm head) + VT90 Washer	BS EN 16382 : 2016	Value achieved	432.36 N (panel centre) 441.66 N (panel joint)
Rocksilk EWI Slab (100 mm) <i>EJOT H1 Eco</i> (60 mm head) + SBL 140 Plus Washer	BS EN 16382 : 2016	Value achieved	899.82 N (panel centre) 733.16 N (panel joint)
Rocksilk EWI Slab (150 mm) <i>EJOT H1 Eco</i> (60 mm head)	BS EN 16382 : 2016	Value achieved	375.52 N (panel centre) 159.46 N (panel joint)
Rocksilk EWI Slab (200 mm) <i>EJOT H1 Eco</i> (60 mm head)	BS EN 16382 : 2016	Value achieved	381.20 N (panel centre) 88.67 N (panel joint)

1.1.2 If fixings to an alternative specification are to be used for a particular installation, pull-through tests must be carried out to determine the specific capacities and a suitable design developed in accordance with section 1.1.3 of this Certificate.

1.1.3 The number and spacing of the fixings in the ultimate external wall insulation systems, must be determined by the external wall insulation systems designers/specifiers. The number of fixings must not be less than the minimum specified and the fixings must be symmetrically positioned and evenly distributed about the centre of the slabs, both vertically and horizontally except at openings and building corners.

1.2 Mechanical properties

1.2.1 Results of compression and tensile strength tests are given in Table 3.

Table 3 Mechanical properties

Product assessed	Assessment method	Requirement	Result
Rocksilk EWI Slab	Compressive stress/strength to BS EN 826 : 2013	Declared value $\sigma_{10} \geq 30$ kPa	Pass
Rocksilk EWI Slab	Tensile strength to BS EN 1607 : 1997	Declared value ≥ 10 kPa	Pass

2 Safety in case of fire

Data were assessed for the following characteristics.

2.1 Properties in relation to fire

2.1.1 The reaction to fire classification of the product is given in Table 4.

Table 4 Reaction to fire classification

Product assessed	Assessment method	Requirement	Result
Rocksilk EWI Slab	SIST EN 13501-1 : 2019	Classification achieved	Class A1 ⁽¹⁾

(1) ZAG Classification Report, No 114/22-530-1, 14 February 2022, available from the Certificate holder on request.

2.1.2 The fire classification given in Table 4 applies to all product thicknesses covered by this Certificate.

2.1.3 On the basis of the data assessed, in isolation, the product is suitable for use on or at any distance from a relevant boundary, without height restriction.

2.1.4 The performance and permissible areas of use of specific external wall insulation systems must be determined on a case-by-case basis in accordance with the documents supporting the national Building Regulations and is outside the scope of this Certificate.

2.1.5 For application to second storey walls and above, the designer must consider at least one stainless steel fixing per square metre and fire barriers in line with compartment walls and floors, as given in BRE Report BR 135 : 2013.

2.1.6 NHBC Standards require, in all cases, that a minimum of one non-combustible fixing through the reinforcement mesh, per square metre or per insulation slab, whichever provides the greater number, must be provided, in addition to the other fixings.

2.1.7 Designers must refer to the documents supporting the national Building Regulations 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 wall construction.

3 Hygiene, health and the environment

Data were assessed for the following characteristics.

3.1 Water vapour permeability

3.1.1 The water vapour resistivity of the product is given in Table 5

Table 5 Vapour vapour resistivity

Product assessed	Assessment method	Requirement	Result
Rocksilk EWI Slab	BS EN ISO 10456 : 2007	Declared value	5 MN·s·g ⁻¹ ·m ⁻¹

3.1.2 When carrying out a condensation risk analysis for a specific external wall insulation system including the product, the data from Table 5 must be taken.

3.2 Condensation

Interstitial condensation

3.2.1 The BBA has assessed the product for the risk of condensation, and the following must be implemented:

3.2.1.1 Designers of an external wall insulation system using this product must ensure that an appropriate condensation risk analysis has been carried out including all parts of the construction, such all layers within the external wall insulation system, openings and penetrations at junctions between the insulation product and windows, to minimise the risk of condensation. The recommendations of BS 5250 : 2021 must be followed.

3.2.2 Walls incorporating the product will adequately limit the risk of interstitial condensation when they are designed and constructed in accordance with BS 5250 : 2021.

4 Safety and accessibility in use

Not applicable.

5 Protection against noise

Not applicable.

6 Energy economy and heat retention

Data were assessed for the following characteristics.

6.1 Thermal conductivity

6.1.1 The product was tested for thermal conductivity and the result is given in Table 6.

Table 6 Thermal conductivity

Product assessed	Assessment method	Requirement	Result
Rocksilk EWI Slab	BS EN 13162 : 2012	Declared value (λ_D)	0.036 W·m ⁻¹ ·K ⁻¹

6.2 Thermal performance

6.2.1 The U value of a completed wall will depend on the insulation type and thickness, fixing method and type, number of fixings, and the insulating value of the substrate and its internal finish. Calculated U values for sample constructions in accordance with the national Building Regulations are given in Table 7, based on the thermal conductivity value in Table 6.

Table 7 Insulation thickness required to achieve design U values⁽¹⁾⁽²⁾ given in the national Building Regulations

U value ⁽⁴⁾ (W·m ⁻² ·K ⁻¹)	Insulation thickness ⁽³⁾ requirement (mm)	
	215 mm brickwork, $\lambda = 0.56 \text{ W}\cdot\text{m}^{-1}\cdot\text{K}^{-1}$	200 mm dense blockwork, $\lambda = 1.75 \text{ W}\cdot\text{m}^{-1}\cdot\text{K}^{-1}$
0.13	— ⁽⁴⁾	— ⁽⁴⁾
0.15	250	260
0.17	220	230
0.18	200	210
0.21	180	170
0.26	130	140
0.28	120	130
0.30	110	120

(1) Wall construction inclusive of 13 mm plaster ($\lambda = 0.57 \text{ W}\cdot\text{m}^{-1}\cdot\text{K}^{-1}$), brickwork or dense blockwork with 6.7% mortar ($\lambda = 0.88 \text{ W}\cdot\text{m}^{-1}\cdot\text{K}^{-1}$). Declared thermal conductivity of insulation values (λ_D) is as shown in Table 7. A 5 mm thick layer of adhesive with $\lambda = 1.0 \text{ W}\cdot\text{m}^{-1}\cdot\text{K}^{-1}$ covering 40% of the insulation surface, together with an external render thickness of 10 mm with $\lambda = 1.0 \text{ W}\cdot\text{m}^{-1}\cdot\text{K}^{-1}$ is also included.

(2) Calculations based on a system that included 4 galvanized steel fixings per m², with a point thermal transmittance (X_p) of 0.004 W·K⁻¹ per steel pin. Use of other types of fixings must be calculated in accordance with BS EN ISO 6946 : 2017. A gap correction ($\Delta U''$) of zero is assumed.

(3) Based upon an incremental insulation thickness of 10 mm.

(4) When applying the maximum available insulation thickness, these walls can achieve U values from 0.3 W·m⁻²·K⁻¹ to 0.15 W·m⁻²·K⁻¹ depending on insulation type and wall type. See section 6.2.3.

6.2.2 The product can contribute towards a construction satisfying the national Building Regulations in respect of energy economy and heat retention.

6.2.3 For improved thermal/carbon-emissions performance of the structure, the designer must consider additional/alternative fabric and/or service measures.

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 8.

Table 8 Dimensional Stability

Product assessed	Assessment method	Requirement	Result
Rocksilk EWI Slab	BS EN 1604 : 2013 (70°C and 90% RH for 48 hours)	Length, width and reduction in thickness < 1% change	Pass

8.3 Service life

Under normal service conditions, the product will have a life at least equivalent to the external wall insulation system in which it is incorporated, provided it is 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 assessed in this Certificate.

9.1.2 It is essential that any external wall insulation system in which the product is incorporated includes appropriate detailing techniques, carried out to a high standard to ensure that the ingress of water into the insulation is avoided so that the full thermal benefit is obtained from the system (eg the insulation must be protected by an overhang, and window sills must be designed and installed so as to direct water away from the building).

9.1.3 New walls subject to the national Building Regulations must be constructed in accordance with the relevant recommendations of:

- BS EN 1992-1-1 : 2004 and its UK National Annex
- BS EN 1996-1-1 : 2005 and its UK National Annex
- BS EN 1996-2 : 2006 and its UK National Annex
- BS 8000-0 : 2014
- BS 8000-2.2 : 1990
- BS 8000-3 : 2001
- PD 6697 : 2019.

9.1.4 New walls not subject to regulatory requirements must also be built in accordance with the Standards identified in section 9.1.3.

9.1.5 The designer of the external wall insulation system must select a construction appropriate to the local wind-driven rain index, paying due regard to the design detailing, workmanship and materials to be used.

9.1.6 External pipework and ducts must be removed before installation, and alterations made to underground drainage to accommodate repositioning of the pipework to the finished face of the system.

9.1.7 Calculations of thermal transmittance (U values) must be carried out in accordance with BS EN ISO 6946 : 2017 and BRE 443 : 2019, using the declared thermal conductivity given in Table 6 of this Certificate.

9.1.8 Care must be taken in the overall design and construction of junctions with other elements and openings, to minimise thermal bridges and air infiltration. Detailed guidance can be found in the documents supporting the national Building Regulations.

9.1.9 In England and Wales, walls will adequately limit the risk of surface condensation when the thermal transmittance (U value) does not exceed $0.7 \text{ W}\cdot\text{m}^{-2}\cdot\text{K}^{-1}$ at any point and the junctions with other elements and openings comply with section 9.1.8 of this Certificate.

9.1.10 In Scotland, walls will adequately limit the risk of surface condensation when the thermal transmittance (U value) does not exceed $1.2 \text{ W}\cdot\text{m}^{-2}\cdot\text{K}^{-1}$ at any point.

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 of this product must be carried out in accordance with this Certificate, the Certificate holder's instructions and the requirements of the designers of the external wall insulation system. A summary of instructions and guidance are provided in Annex A of this Certificate.

9.2.3 As the product is a component in an external wall insulation system outside the scope of this Certificate, specific installation guidance must be sought from the system designer.

9.3 Workmanship

Practicability of installation was assessed on the basis of the Certificate holder's information. To achieve the performance described in this Certificate, the system must only be installed by installers who have been trained and approved by the designer of the specific external wall insulation system in which it is to be incorporated.

9.4 Maintenance and repair

9.4.1 As the product is incorporated within an external wall insulation and has suitable durability, maintenance of the product is not required.

9.4.2 The overall external wall insulation system must be maintained, and any damage repaired promptly, in accordance with the designer's specific requirements for the system in question.

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 in shrink-wrapped packs. Each pack contains a label bearing the Certificate holder's name, slab dimensions and the BBA logo incorporating the number of this Certificate.

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

11.2.1 If the packaging is damaged or removed, the remaining slabs must be kept under cover indoors or protected from the elements by a weatherproof cover.

11.2.2 The product must be protected from prolonged exposure to sunlight and stored dry and flat.

11.2.3 Damaged, contaminated or wet product must not be used.

11.2.4 During construction, exposed areas of slabs must always be covered at the end of a day's work or in heavy rain.

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 13162 : 2012.

Management Systems Certification for production

The management system of the manufacturer has been assessed and registered as meeting the requirements of ISO 9001 : 2015, ISO 14001 : 2015, ISO 45001 : 2018 and ISO 50001 : 2018 by TUV Nord (Certificates 44100190742, 44104190742, 44126190742 and 44764190742 respectively).

Additional information on installation

A.1 The product must be installed with staggered joints, including at the building corners, from the base-profile upward.

A.2 The product is installed as part of an external wall insulation system, and must be fixed to the substrate using mechanical fixings and supplementary adhesive with a 20% minimum bonded area, or alternatively mechanical fixings only, depending on the system installation method specified by the external wall insulation system designer.

A.3 The fixing layout is dependent upon the system adopted. The specification, minimum number and layout of mechanical fixings required to resist the wind loading and applicable site conditions must be determined by the system designer.

A.4 Care must be taken to ensure that all insulation slab edges are butted tightly together, and alignment must be checked as work proceeds to achieve this.

A.5 To fit around details such as doors and windows, insulation slabs may be cut with a sharp knife or a fine-toothed saw.

Bibliography

- BRE Report BR 135 : 2013 *Fire Performance of External Insulation For Walls of Multistorey Buildings*
- BRE Report BR 443 : 2019 *Conventions for U-value calculations*
- BS 5250 : 2021 *Code of practice for control of condensation in buildings*
- BS 8000-0 : 2014 + A1 : 2024 *Workmanship on construction sites — Introduction and general principles*
- BS 8000-2.2 : 1990 *Workmanship on building sites — Code of practice for concrete work — Sitework with in situ and precast concrete*
- BS 8000-3 : 2001 *Workmanship on building sites — Code of practice for masonry*
- BS EN 826 : 2013 *Thermal insulating products for building applications — Determination of compression behaviour*
- BS EN 1604 : 2013 *Thermal insulating products for building applications — Determination of dimensional stability under specified temperature and humidity conditions*
- BS EN 1607 : 1997 *Thermal insulating products for building applications — Determination of tensile strength perpendicular to faces*
- BS EN 1992-1-1 : 2004 + A1 : 2014 *Eurocode 2: Design of concrete structures — General rules and rules for buildings*
- UK NA to BS EN 1992-1-1 : 2004 + A1 : 2014 *UK National Annex to Eurocode 2: Design of concrete structures — General 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*
- UK 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 1996-2 : 2006 *Eurocode 6 : Design of masonry structures — Design considerations, selection of materials and execution of masonry*
- UK NA to BS EN 1996-2 : 2006 *UK National Annex to Eurocode 6 : Design of masonry structures — Design considerations, selection of materials and execution of masonry*
- BS EN 16382 : 2016 *Thermal insulation products for building applications — Determination of the pull-through resistance of plate anchors through thermal insulation products*
- BS EN ISO 6946 : 2017 *Building components and building elements — Thermal resistance and thermal transmittance — Calculation method*
- BS EN ISO 10456 : 2007 *Building materials and products — Hygrothermal properties — Tabulated design values and procedures for determining declared and design thermal values*
- EN 13162 : 2012 *Thermal insulation products for buildings — Factory made mineral wool (MW) products — Specification*
- ISO 9001 : 2015 *Quality management systems — Requirements*
- ISO 14001 : 2015 *Environmental management systems — Requirements with guidance for use*
- ISO 50001 : 2018 *Energy management systems — Requirements with guidance for use*
- ISO 45001 : 2018 *Occupational health and safety management systems — Requirements with guidance for use*
- PD 6697 : 2019 - TC *Recommendations for the design of masonry structures to BS EN 1996-1-1 and BS EN 1996-2*
- SIST EN 13501-1 : 2019 *Fire classification of construction products and building elements — Classification using test data from reaction to fire tests*

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.