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Agrément Certificate

23/6845

Product Sheet 3 Issue 1

THERMOFOAM SUCRASEAL 0.5 INSULATION

THERMOFOAM SUCRASEAL 0.5 FOR SUSPENDED FLOORS

This Agrément Certificate Product Sheet⁽¹⁾ relates to ThermoFoam Sucraseal 0.5 for Suspended Floors, an in-situ spray-applied thermal insulation for use in suspended timber ground floors of new or existing domestic buildings.

(1) Hereinafter referred to as 'Certificate'.

The assessment includes

Product factors:

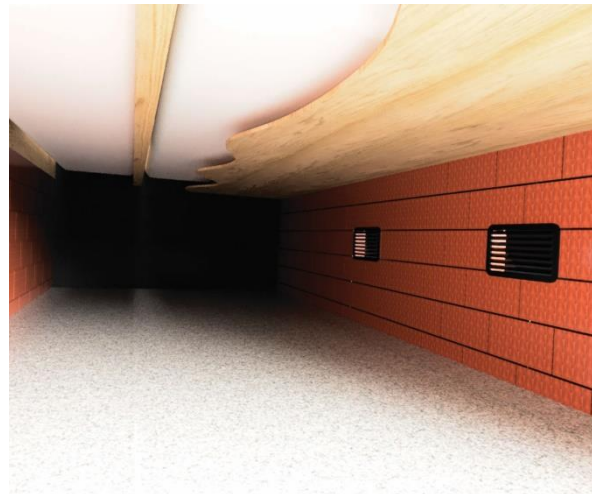
- compliance with Building Regulations
- compliance with additional regulatory or non-regulatory information where applicable
- evaluation against technical specifications
- assessment criteria and technical investigations
- uses and design considerations

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: 6 April 2023

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. 3537).

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

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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 ThermoFoam Sucraseal 0.5 for Suspended Floors, 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:	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:	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)
Regulation:	26C	Minimum energy efficiency rating (applicable to Wales only)
Comment:		The product can contribute to satisfying these Regulations; however, compensating fabric/services 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 is acceptable. See sections 8 and 9 of this Certificate.
Regulation:	9	Building standards applicable to construction
Standard:	2.4	Cavities
Comment:		Use of the product is unrestricted by this Standard, with reference to clause 2.4.2 ⁽¹⁾ . See section 2 of this Certificate.
Standard:	3.15	Condensation
Comment:		The product can contribute to satisfying this Standard, with reference to clauses 3.15.1 ⁽¹⁾ , 3.15.4 ⁽¹⁾ and 3.15.5 ⁽¹⁾ . See section 3 of this Certificate.
Standard:	6.1(b)(c)	Energy demand and carbon dioxide emissions
	(d)	
Comment:		The product can contribute to satisfying this Standard, with reference to clause 6.1.1 ⁽¹⁾ , however, compensating fabric/services 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 6.2.1 ⁽¹⁾ , 6.2.3 ⁽¹⁾ , 6.2.6 ⁽¹⁾ , 6.2.7 ⁽¹⁾ , 6.2.8 ⁽¹⁾ , 6.2.9 ⁽¹⁾ , 6.2.10 ⁽¹⁾ , 6.2.11 ⁽¹⁾ and 6.2.12 ⁽¹⁾ , 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 at least a 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⁾ and 7.1.7 ⁽¹⁾ . See section 6 of this Certificate.
Regulation: Comment:	12	Building standards applicable to conversions 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⁾ and Schedule 6 ⁽¹⁾ .

(1) Technical Handbook (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:	29	Condensation The product can contribute to satisfying this Regulation. See section 3 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: Regulation: Regulation: Comment:	40(2) 43(1)(2) 43B	Target carbon dioxide emission rate Renovation of thermal elements Nearly zero-energy requirements for new buildings The product can contribute to satisfying these Regulations, however, compensating fabric/services measures may be required. See section 6 of this Certificate.

NHBC Standards 2023

In the opinion of the BBA, ThermoFoam Sucraseal 0.5 for Suspended Floors, if installed, used and maintained in accordance with this Certificate, can satisfy or contribute to satisfying the relevant requirements in relation to *NHBC Standards*, Chapter 5.2 *Suspended ground floors*.

Fulfilment of Requirements

The BBA has judged ThermoFoam Sucraseal 0.5 for Suspended Floors to be satisfactory for use as described in this Certificate. The product has been assessed for installation in suspended timber ground floors of new or existing domestic buildings provided no direct loading is applied to the insulation.

ASSESSMENT

Product description and intended use

The Certificate holder provided the following description for the product under assessment. ThermoFoam Sucraseal 0.5 for Suspended Floors is an in-situ formed spray-applied, open-cell, water-blown, low-density, semi-rigid polyurethane foam insulation, consisting of:

- component A — isocyanate
- component B — resin

The product has the nominal characteristics given in Table 1.

Table 1 Nominal characteristics of ThermoFoam Sucraseal 0.5

Characteristic (unit)	Method	Value
Mixing ratio	—	1:1 by volume
Colour	—	Yellow
Maximum thickness (mm)	BS EN 823 : 2013	200
Density (kg·m ⁻³)	BS EN 1602 : 2013	12-24

The product is intended for use as insulation in suspended timber ground floors of new or existing domestic buildings where the under-floor void is not greater than 1m in height, is not normally accessible by people, and provided no direct loading is applied to the insulation.

Product assessment – key factors

The product was assessed for the following key factors, and the outcome of the assessments are shown below. Conclusions relating to 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 The product was tested for adhesion to the substrates given in Table 2

Table 2 Adhesion to substrates

Product assessed	Assessment method	Substrate	Result (kPa)
ThermoFoam Sucraseal 0.5	BS EN 14315 : 2013	Softwood	39
	Annex F	OSB	38

1.2 On the basis of data assessed, the product has adequate adhesion to the substrates intended for use in this Certificate, provided they are clean and dry prior to application. See Section 9 of this Certificate.

1.3 Floor loading

1.3.1 No direct loading is to be applied to the insulation. See section 9 of this Certificate.

2 Safety in case of fire

Data were assessed for the following characteristics.

2.1 Reaction to fire

2.1.1 The Certificate holder has not declared a reaction to fire classification for the product to BS EN 13501-1 : 2018.

2.1.2 The product is classified as Class 1 surface spread of flame to BS 476 : Part 7 : 1997⁽¹⁾

(1) Warringtonfire, report ref 508786, dated 25th October 2021. Copies can be obtained from the Certificate holder.

2.1.3 The product must be protected from naked flames and other ignition sources during and after installation.

2.1.4 Designers should refer to the relevant national Building Regulations and guidance for detailed conditions of use, particularly in respect of requirements for cavity closers and barriers, fire stopping of service penetrations and combustibility limitations for other materials and components used in the overall building construction.

3 Hygiene, health and the environment

Data were assessed for the following characteristics.

3.1 Water vapour permeability

The product was tested for water vapour permeability to establish a Water vapour resistance factor (μ). The results are given in Table 3.

Table 3 Water vapour resistance factor (μ)

Product assessed	Assessment method	Requirement	Result
ThermoFoam Sucraseal 0.5	BS EN 12086 : 2013, method A	Declared value	8.8

3.2 Condensation

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

3.2.2 An assessment of the risk of interstitial condensation for the specific construction should be carried out in accordance with BS 5250 : 2021 and BS EN ISO 13788 : 2012 using a declared water vapour resistance factor (μ) of 8.8.

3.2.3 Voids below suspended timber ground floors must be ventilated. Ventilation may be achieved by installing vents not less than 1500 mm².m⁻¹ run of external wall or 500 mm².m⁻² of floor area, whichever is the greater. Ventilation openings should be arranged to prevent the ingress of rain, snow, birds and small mammals and the risk of subsequent blockage by other building operations.

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

The product was tested for thermal conductivity and the results are given in Table 4

Table 4 Thermal conductivity

Product assessed	Thickness (mm)	Assessment method	Requirement	Result
ThermoFoam Sucraseal 0.5	< 100	BS EN 14315-1 : 2013	Declared conductivity (λ_D) values ($W \cdot m^{-1} \cdot K^{-1}$)	0.039
	100 to 200			0.040

6.2 Thermal performance

6.2.1 The U value of a completed floor will depend on the insulation thickness, the perimeter/area ratio and the floor type. Example U-values are given in Table 5.

Table 5 U values — suspended timber ground floors⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾⁽⁵⁾⁽⁶⁾⁽⁷⁾

Design U value ($W \cdot m^{-2} \cdot K^{-1}$)	ThermoFoam Sucraseal 0.5 thickness (mm)				
	P/A ratio ($m \cdot m^2$)				
	0.2	0.4	0.6	0.8	1.0
0.11	(8)	(8)	(8)	(8)	(8)
0.12	(8)	(8)	(8)	(8)	(8)
0.13	(8)	(8)	(8)	(8)	(8)
0.15	195	(8)	(8)	(8)	(8)
0.18	145	185	200	(8)	(8)
0.22	95	140	155	160	165
0.25	70	110	125	135	140

(1) Floor construction — 22 mm thick chipboard floor finish ($\lambda = 0.13 W \cdot m^{-1} \cdot K^{-1}$), on timber floor joists ($\lambda = 0.13 W \cdot m^{-1} \cdot K^{-1}$) (11%).

(2) The depth of the joists = 100 to 200 mm depending on the depth of insulation between floor joists (11%) based on BRE Report BR 443 : 2019 (noggin every 3 metres at 38 mm wide).

(3) Edge insulation not included

(4) Ground conductivity $1.5 W \cdot m^{-1} \cdot K^{-1}$

(5) Wall thickness at the floor perimeter (w) = 0.3 m

(6) Supporting wall (U_w) $1.5 W \cdot m^{-2} \cdot K^{-1}$

(7) Ventilation area (e) $0.0015 m^2 \cdot m^{-1}$

(8) 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 energy or carbon savings, designers must consider appropriate fabric and/or services 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 this product were assessed.

8.2 Data were assessed for the following characteristics:

Table 6 Dimensional stability

Product assessed	Assessment method	Requirement	Result
ThermoFoam Sucraseal 0.5	Dimensional stability to BS EN 1604 : 2013	Length and width ≤ 4 % change	PASS
	(70°C and 90-100% RH for 48 hours)	Thickness ≤ 1 % change	
ThermoFoam Sucraseal 0.5	Dimensional stability to BS EN 1604 : 2013	Length and width ≤ 2 % change	PASS
	(-20°C for 48 hours)	Thickness ≤ 1 % change	

8.3 Service life

Under normal service conditions, the product will have a life equivalent to the structure 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 Timber floor constructions must be designed and constructed in accordance with the relevant recommendations of:

- BS 5250 : 2021
- BS EN 351-1 : 2007
- BS EN 1995-1-1 : 2004 and its UK National Annex.

9.1.3 Construction elements must be designed and constructed to incorporate the normal precautions against moisture ingress before application of the product.

9.1.4 The product must not come into direct contact with flue pipes, chimneys, or other heat-producing appliances (see section 2).

9.1.5 The product forms a strong bond with clean, dry substrates. This should be considered when specifying the product or anticipating future alterations.

9.1.6 The airspace void under the suspended ground floor must be a minimum of 150 mm deep and must be ventilated (see section 3). Care must be taken to ensure that ventilation grilles in the external walls are maintained clear of foam insulation and there is no obstruction to the underfloor ventilation.

9.1.7 In England and Wales, floors will limit the risk of surface condensation adequately where 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 are designed in accordance with section 6 of this Certificate.

9.1.8 For buildings in Scotland, constructions will be acceptable where the thermal transmittance (U value) of the floor does not exceed $1.2 \text{ W}\cdot\text{m}^{-2}\cdot\text{K}^{-1}$ at any point, and the floor is designed and constructed in accordance with the relevant parts of BS 5250 : 2021.

9.1.9 Further guidance may be obtained from BRE Report BR 262 : 2002 and section 6 of this Certificate.

9.1.10 To comply with the requirements of the *Health and Safety at Work Act 1974*, Section 4, it is essential that there is an exchange of information between the client and the installer before spray operations commence on any site. Existing health hazards and those brought into the premises by the installer should be discussed, and measures agreed to deal with them effectively.

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 are provided in Annex A.

9.2.3 A pre-installation survey must be carried out and documented to ensure that the construction is suitable for the application of the product. This must include a condensation risk assessment to BS EN ISO 13788 : 2012 (see section 3 of this Certificate).

9.2.4 Existing constructions must be in a good state of repair, with no evidence of rain penetration or damp. Defects must be made good prior to installation.

9.2.5 Installation must not be carried out until the moisture content of any timber flooring is less than 20% by mass.

9.2.6 De-rating of electric cables should be considered in areas where the product restricts the flow of air. The use of suitable conduit or trunking is recommended.

9.2.7 The process for the installation of the product may produce a build-up of harmful vapours. The requirements of the *Thermoprotect Installer Training Manual* and the product safety data sheets issued to installers, must be followed at all times.

9.2.8 The building must be well-ventilated during the spraying process.

9.1.9 If vapour levels must be measured, methods must be those recommended by the Health and Safety Executive. Certain applications (eg, confined spaces) require the use of extractor fans as recommended by the Certificate holder.

9.2.10 To minimise the hazards of spraying, the following points must be observed:

- the installer must wear appropriate protective gear, including a full-face NIOSH-approved fresh air respirator, protective overalls, gloves and boots
- other than the installer, individuals must be kept away from the application area. No unprotected individuals should be in the structure where the application is being conducted
- the spray gun should never be left unattended
- the spray gun should only be pointed at the surface or, when not in use, at the floor
- the product should not be installed if wind is a concern; tarpaulins or other measures should be used to block it
- cleaning the spray gun requires use of a solvent to break down and/or remove the reacted components; therefore, to prevent exposure to the components and the solvent, proper protection should be worn.

9.2.11 Whilst spraying, care should be taken to minimise the degree of overspray, a fine mist of particles that can travel considerable distances and adhere strongly to surfaces it lands on.

9.3 Workmanship

Practicability of installation was assessed by the BBA on the basis of Certificate holder's information and a site visit to witness an installation in progress. To achieve the performance described in this Certificate, the product must only be installed by installers who have been trained and approved by the Certificate holder. Details of Approved Installers are available from the Certificate holder.

9.4 Maintenance and repair

Once installed, the product is inaccessible and has suitable durability, therefore, maintenance is not required.

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 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.

†10.1.6 The BBA will 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 drums of up to 250 kg capacity, bearing the product name, company name, batch number, 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 Drums must be stored in a well-ventilated area, between 10 and 26°C and away from possible ignition sources.

11.2.2 Drums must be protected from frost.

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.

CLP Regulations

The Certificate holder has taken the responsibility of classifying and labelling the product under the *GB CLP Regulation* and the *CLP Regulation (EC) No 1272/2008 on the classification, labelling and packaging of substances and mixtures*. Users must refer to the relevant Safety Data Sheets.

CE marking

The Certificate holder has taken the responsibility of CE marking product in accordance with harmonised European Standard EN 14315-1 : 2013.

Additional Guidance

The Certificate holder operates an Approved Installer Scheme for this product, under which the installers are approved, registered, and regularly reviewed by the Certificate holder to demonstrate that they are competent to carry out installation of the product in accordance with their instructions and this Certificate. Details of Approved Installers are available from the Certificate holder.

Additional information on installation

Procedure

A.1 The product should be spray-applied to clean and dry substrates and built up in one or two layers, up to a total maximum thickness of 200 mm.

A.2 A barrier (such as thin plywood or a vapour permeable membrane) must be fixed to the underside of the joists to contain the foam. The product is then sprayed from above into the cavity formed by the barrier and the joists. When cured, the excess foam is trimmed flush with the joists and the flooring board installed.

Bibliography

- BRE Report BR 262 : 2002 *Thermal insulation: avoiding risks*
- BRE Report BR 443 : 2019 *Conventions for U-value calculations*
- BS 5250 : 2021 *Management of moisture in buildings. Code of practice*
- BS EN 351-1 : 2007 *Durability of wood and wood-based products — Preservative-treated solid wood — Classification of preservative penetration and retention*
- BS EN 823 : 2013 *Thermal insulating products for building applications — Determination of thickness*
- BS EN 1602 : 2013 *Thermal insulating products for building applications — Determination of the apparent density*
- BS EN 1604 : 2013 *Thermal insulating products for building applications — Determination of dimensional stability under specified temperature and humidity conditions*
- BS EN 1609 : 2013 *Thermal insulating products for building applications — Determination of short term water absorption by partial immersion*
- 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 + A1 : 2008 UK National Annex to *Eurocode 5 : Design of timber structures — General — Common rules and rules for buildings*
- BS EN 12086 : 2013 *Thermal insulating products for building applications — Determination of water vapour transmission properties*
- BS EN 12667 : 2001 *Thermal performance of building materials and products — Determination of thermal resistance by means of guarded hot plate and heat flow meter methods — Products of high and medium thermal resistance*
- BS EN 13501-1 : 2018 *Fire classification of construction products and building elements — Classification using test data from reaction to fire tests*
- BS EN 14315-1 : 2013 *Thermal insulating products for buildings — In-situ formed sprayed rigid polyurethane (PUR) and polyisocyanurate (PIR) foam products — Specification for the rigid foam spray system before installation*
- BS EN ISO 6946 : 2017 *Building components and building elements — Thermal resistance and thermal transmittance — Calculation method*

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
- 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 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

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