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Agrément Certificate
15/5274
Product Sheet 1 Issue 4

WRAPTITE BREATHER MEMBRANE

FOR USE IN WARM NON-VENTILATED PITCHED ROOFS IN SUPPORTED APPLICATIONS

This Agrément Certificate Product Sheet(1) relates to Wraptite Breather Membrane for use in warm non-ventilated pitched roofs in supported applications of up to 70° pitch.

(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

Hardy Giesler
Chief Executive Officer

Date of Fourth issue: 2 May 2024
Originally certified on 16 November 2015

Certificate amended on 2 December to revise Table 8 and section 9.

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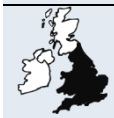
SUMMARY OF ASSESSMENT AND COMPLIANCE

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 Wraptite Breather Membrane for use in warm non-ventilated pitched roofs in supported applications, if installed, used and maintained in accordance with this Certificate, can satisfy or contribute to satisfying the relevant requirements of the following Building Regulations:



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

Requirement:	**B3(4)**	**Internal fire spread**
Comment:		The product can contribute to satisfying this Requirement. See section 2 of this Certificate.
Requirement:	**C2(b)**	**Resistance to moisture**
Comment:		The product will contribute to satisfying this Requirement. See section 3 of this Certificate.
Requirement:	**C2(c)**	**Resistance to moisture**
Comment:		The product can contribute to satisfying this Requirement. See section 3 of this Certificate.
Regulation:	**7(1)**	**Materials and workmanship**
Comment:		The product is acceptable. See sections 8 and 9 of this Certificate.

The Building (Scotland) Regulations 2004 (as amended)

Regulation:	**8(1)**	**Fitness and durability of materials and workmanship**
Comment:		The product can contribute to satisfying this Regulation. See sections 8 and 9 of this Certificate.
Regulation:	**9**	**Building standards - construction**
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:	3.10	Precipitation
Comment:		The product will contribute to satisfying the Standard, with reference to clauses 3.10.1$^{(1)(2)}$ and 3.10.7$^{(1)(2)}$. See section 3 of this Certificate.
Standard:	3.15	Condensation
Comment:		The product can contribute satisfying this Standard, with reference to clauses 3.15.1$^{(1)(2)}$, 3.15.3$^{(1)(2)}$, 3.15.5$^{(1)(2)}$ and 3.15.7$^{(1)(2}$. 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 - conversions**
Comment:		Comments in relation to the product under Regulation 9, Standards 1 to 6, also apply to this Regulation, with reference to clause 0.12.1[(1)(2)] and Schedule 6[(1)(2)]. (1) Technical Handbook (Domestic). (2) Technical Handbook (Non-Domestic).

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

Regulation:	**23(1)(a)(i) ((iii)(b)(i)**	**Fitness of materials and workmanship**
Comment:		The product is acceptable. See sections 8 and 9 of this Certificate.
Regulation:	**28(b)**	**Resistance to moisture and weather**
Comment:		The product will contribute to satisfying this Regulation. See section 3 of this Certificate.
Regulation:	**29**	**Condensation**
Comment:		The product can contribute to satisfying this Regulation. See section 3 of this Certificate.
Regulation:	**35(4)**	**Internal fire spread – structure**
Comment:		The product can contribute to satisfying this Regulation. See section 2 of this Certificate.

Additional Information

NHBC Standards 2024

In the opinion of the BBA, Wraptite Breather Membrane for use in warm non-ventilated pitched roofs in supported applications, if installed, used and maintained in accordance with this Certificate, can satisfy or contribute to satisfying the relevant requirements in relation to *NHBC Standards*, Chapter 7.2 *Pitched roofs.*

Fulfilment of Requirements

The BBA has judged Wraptite Breather Membrane for use in warm non-ventilated pitched roofs in supported applications to be satisfactory for use as described in this Certificate. The product has been assessed as a roof tile underlay for use in roofs of up to 70° pitch.

ASSESSMENT

Product description and intended use

The Certificate holder provided the following description for the product under assessment. Wraptite Breather Membrane for use in warm non-ventilated pitched roofs in supported applications is a self-adhesive membrane consisting of a triple-layer polypropylene micro-porous film laminate, including a proprietary acrylic moisture vapour permeable adhesive, with a silicon-coated polyethylene terephthalate (PET) release liner.

The product has the nominal characteristics given in Table 1.

Table 1 Nominal characteristics of Wraptite Breather Membrane

Characteristic (unit)	Value
Thickness (mm)	0.65
Mass per unit area ($g \cdot m^{-2}$)	292
Roll length (m)	50
Roll width (m)	1.5
Roll weight (kg)	24
Colour	
upper face	Red
lower face	White

Applications

The product has been assessed for use as a fully supported underlay in tiled and slated warm non-ventilated pitched roof systems, constructed in accordance with the relevant clauses of BS 5534 : 2014.

The product must be used over suitable sarking boards covered by BS 5534 : 2014 or the BBA certificate.

Definitions for products and applications inspected

Pitched roofs are defined for the purpose of this Certificate as those having a fall in excess of 1:6 and a maximum pitch of 70°.

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 Resistance to wind uplift

1.1.1 Results of Peel strength tests are given in Table 2.

Table 2 Peel strength results

Product assessed	Assessment method	Requirement	Result
Wraptite Breather Membrane	Peel strength to BS EN 1939 : 2003 tested on a Fibre-Cement Board	Declared value ≥5 N·(10mm)$^{-1}$	Pass

1.1.2 The product may be used at any batten gauge in all Wind Zones stated in BS 5534 : 2014 when laid over nominally airtight sheet sarking, for example Type 3 OSB, Type 3 plywood, Type 3 particle board for warm-roof design. It may also be used in applications where slates are nailed directly onto sarking boards.

1.1.3 Timber sarking, such as square-edged butt jointed planks, is not considered to be airtight and the underlay is treated as unsupported. The use of the product in unsupported applications is outside the scope of this Certificate.

1.1.4 On the basis of the data assessed, the product, when fully supported, has adequate resistance to wind uplift forces.

1.2 Resistance to mechanical damage

1.2.1 Results of resistance to mechanical damage tests are given in Table 3.

Table 3 Results of mechanical damage tests

Product assessed	Assessment method	Requirement	Result
Wraptite Breather Membrane	Nail tear to BS EN 12310-1 : 2000	≥50 N	
	Longitudinal direction		Pass
	Transverse direction		Pass
	Mullen burst strength to BS 3137 : 1972	Value achieved	
	Face 1 Uppermost(1)		1365 kN·m^{-2}
	Face 2 Uppermost(2)		1378 kN·m^{-2}

(1) Face 1 being the marked red side.
(2) Face 2 being the reverse white side.

1.2.2 On the basis of data assessed, the product has adequate strength to resist the loads associated with the installation.

2 Safety in case of fire

Data were assessed for the following characteristics.

2.1 Reaction to fire

2.1.1 Results of reaction to fire tests are given in Table 4.

Table 4 Results of reaction to fire test

Product assessed	Assessment method	Requirement	Result
Wraptite Breather Membrane	BS EN 13501-1 : 2007 tested self-adhered to 12 mm calcium silicate board	Value achieved	Class B-s1, d0[(1)]

(1) Report reference 27/04289/07/17, issued by BTTG. Report is available from the Certificate holder upon request.

2.1.2 Where required, the performance, and permissible uses, of the product when applied over other substrates must be established in accordance with the requirements of the documents supporting the national Building Regulations.

2.1.3 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 5.

Table 5 Weathertightness

Product assessed	Assessment method	Requirement	Result
Wraptite Breather Membrane	Watertightness of seams to BS EN 13859-1 : 2014 Annex F at 2 kPa	No leakage	Pass
	Water resistance to BS EN 1928 : 2000 Method A	No leakage	Pass
	Resistance to streaming water to MOAT 69 : 2004	No water penetration after five cycles	Pass
	Hydrostatic pressure to BS EN 20811 : 1992	≥ 1 m	Pass

3.1.2 On the basis of data assessed, the product can be used supported without affecting its water resistance.

3.1.3 The product is Class W1 in accordance with BS EN 13859-1 : 2014 and will resist the passage of water and wind-blown snow and dust into the interior of a building, under all conditions to be found in a roof constructed in accordance with the relevant clauses of BS 5534 : 2014.

3.1.4 The product resists penetration of liquid water and consequently may be used as temporary waterproofing prior to the installation of slates or tiles. The period of such use must, however, be kept to a minimum as given in BBA Information Bulletin No. 2 *Permeable Roof Tile Underlay – Guide to Good Site Practice*.

3.2 Condensation

3.2.1 Results of water vapour resistance tests are given in Table 6.

Table 6 Water Vapour Resistance

Product assessed	Assessment method	Requirement	Result
Wraptite Breather Membrane	Water vapour diffusion equivalent air layer thickness (s_d) to BS EN ISO 12572 : 2001	Value achieved	0.039(1) m

(1) Water vapour resistance, in $MN \cdot s \cdot g^{-1}$, may be taken as 5 x s_d value.

3.2.2 On the basis of data assessed, the product is suitable for use in warm non-ventilated pitched roof systems, in accordance with section 9.1 of this Certificate.

4 Safety and accessibility in use

Data were assessed for the following characteristic.

4.1 Slip Resistance

4.1.1 Results of slip resistance tests are given in Table 7.

Table 7 Results of Coefficient of dynamic friction tests

Product assessed	Assessment method	Requirement	Result
Wraptite Breather Membrane	Mean pendulum test value (PTV) BBA Internal Test Specification T1/10	Value achieved	
	tested dry		
	Longitudinal direction		76
	Transverse direction		78
	tested wet		
	Longitudinal direction		67
	Transverse direction		66

4.1.2 On the basis of data assessed, the product has a high coefficient of friction, giving a slip resistant surface for increased safety during the installation of the covering.

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 8.

Table 8 Results of durability tests

Product assessed	Assessment method	Requirement	Result
Wraptite Breather Membrane	Dimensional stability to BS EN 1107-2 : 2001	≤ 2%	
	Longitudinal direction		Pass
	Transverse direction		Pass
	Flexibility at low temperature to BS EN 1109 : 2000	-40°C	Pass
	Tensile strength to BS EN 12311-1 : 2000	Declared values	
	Control		
	Longitudinal direction	≥ 417 N ·(50mm)$^{-1}$	Pass
	Transverse direction	≥ 252 N ·(50mm)$^{-1}$	Pass
	Elongation to BS EN 12311-1 : 2000	Values achieved	
	Control		
	Longitudinal direction		77%
	Transverse direction		99%
	Tensile strength to BS EN 12311-1 : 2000 aged to BS EN 1297 : 2004 and BS EN 1296 : 2001 modified by EN 13859-1 : 2010, Annex C 336 hours UVA at 50°C followed by 90 days heat ageing at 70°C	Change < 30%	
	Longitudinal direction		Pass
	Transverse direction		Pass
	Elongation to BS EN 12311-1: 2000 336 hours UVA at 50°C followed by 90 days heat ageing at 70°C	No significant loss of properties following ageing	
	Longitudinal direction		Pass
	Transverse direction		Pass
	Resistance to water penetration to BS EN 1928 : 2000 336 hours UVA at 50°C followed by 90 days heat ageing at 70°C	No leakage	Pass

8.3 Service life

8.3.1 Under normal service conditions, the product will have a service life comparable with that of traditional roof tile underlays, provided it is not exposed to sunlight for long periods, and is designed, installed and maintained in accordance with this Certificate and the Certificate holder's instructions.

8.3.2 The exposure of the product prior to completion of the roof must be kept to a minimum. Advice should be sought from the Certificate holder, but such advice is outside the scope of this Certificate.

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 For roofs designed in accordance with BS 5534 : 2014 and BS 5250 : 2021, the product must be regarded as a Type HR underlay.

9.1.3 Project design wind speeds for the roof in which the product is installed must be determined, and wind uplift forces calculated, by a suitably experienced and competent individual, in accordance with BS EN 1991-1-4 : 2005 and its UK National Annex.

9.1.4 In common with all roofs, care must be taken in the overall design and installation to minimise the risk of water vapour coming into contact with cold parts of the construction. Factors to be considered and minimised include moisture diffusion through the ceiling, infiltration through unsealed openings/penetrations in the ceiling and services evaporating or venting moisture into cold spaces.

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 and the relevant recommendations of BS 5534 : 2014, BS 8000-0 : 2014 and BS 8000-6 : 2023. A summary of instructions and guidance is provided in Annex A of this Certificate.

9.2.3 Installation must be carried out under all conditions normal to roofing work. The minimum air and surface temperature at which installation can take place is -10°C.

9.2.4 The product must be installed with the red face uppermost, and lapped to shed water out and down the slope.

9.2.5 Overlaps must be provided with the minimum dimensions given in Table 9.

Table 9 Minimum overlaps

Roof pitch (°)	Horizontal lap (mm) - Fully supported	Vertical laps (mm)
12.5 < 15	75	75
≥15	75	75

Procedure

9.2.6 The substrate must be clean, dry and free from contaminants, sharp protrusions, or other matter that may hinder the adhesion of the membrane installation. Any loose dust or dirt must be removed by wiping with a dry cloth or brush.

9.2.7 The product is self-adhered to the support, with counter battens at least 12 mm thick to create drainage and vapour dispersal space(1) between the product and the tiles.

(1) This space must be ventilated in accordance with BS 5250 : 2021 when using tight-fitting roof coverings.

9.2.8 Care must be taken to minimise the risk of interstitial condensation, particularly for timber sarking which may be below the dew-point for extended periods during winter months.

9.3 Workmanship

9.3.1 Practicability of installation was assessed by the BBA, on the basis of the Certificate holder's information and BS 5534 : 2014. To achieve the performance described in this Certificate, the product must be installed by a competent general builder, or a contractor, experienced with this type of product.

9.4 Maintenance and repair

9.4.1 As the product is confined within a roof structure and has suitable durability, maintenance is not required. However, any damage occurring before enclosure must be repaired.

9.4.2 Damage to the product can be repaired prior to the installation of slates or tiles, by replacing the damaged areas or by patching and sealing correctly. Care must be taken to ensure that the watertightness of the roof is maintained.

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 rolls individually wrapped in polythene with a label bearing the BBA logo incorporating the number of this Certificate.

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

11.2.1 Rolls must be stored flat or on end, on a smooth, clean, dry surface, under cover and protected from sunlight.

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.

UKCA marking

The Certificate holder has taken the responsibility of UKCA marking the product in accordance with Designated Standard EN 13859- 1 : 2010.

CE marking

The Certificate holder has taken the responsibility of CE marking the product, in accordance with harmonised European Standard EN 13859-1 : 2010.

Management Systems Certification for production

The management system of the manufacturer has been assessed and registered as meeting the requirements of ISO 9001 : 2015 by Japan Chemical Quality Assurance Ltd (Certificate JCQA-0653).

Additional information on installation

Condensation

A.1 The risk of condensation is highest in new-build construction during the first heating period, where there is high moisture loading owing to wet trades, such as in-situ cast concrete slabs or plaster. The risk of condensation diminishes as the building dries out. See BBA Information Bulletin No. 1 *Roof Tile Underlays in Cold Roofs during the Drying-out Period.*

Inclined ceiling and insulation (warm roof)

A.2 For roofs with an insulated inclined ceiling, ventilation above or below the underlay will not be required provided that the passage of moisture by diffusion and by convection is controlled, eg by a vapour control layer or a continuous envelope of insulation with a high vapour resistance and with sealed joints. Ventilation may be required if specified by the tile manufacturer or where the roof covering is airtight, as described in BS 5250 : 2021.

Partially inclined ceiling and insulation (warm and cold roof)

A.3 Where an insulated ceiling spans only part of the roof line, resulting cold roof spaces must be in accordance BS 5250 : 2021, Section 4, Subsection 12.

General information on installation

A.4 The product is installed from the original packaging which functions as a dispenser. The membrane is applied by peeling back the release paper by approximately 150 mm. The release paper is folded back and, using a hand roller or a stiff brush, the glue surface is lightly applied to the prepared substrate.

A.5 The hand roller or stiff brush is used to smooth out any air bubbles, releasing any trapped air. Curing time is approximately six hours. Time for full adhesion may vary depending on local conditions.

A.6 Where possible, eaves guards should be used to protect the product from sunlight and to direct water into the gutter**.**

A.7 Detailing of abutments, verges and hips must be in accordance with the Certificate holder's instructions.

A.8 Tiling and slating must be carried out in accordance with the relevant clauses of BS 5534 : 2014, BS 8000-0 : 2014, BS 8000-6 : 2013 and the Certificate holder's instructions, especially when using tightly jointed slates or tiles.

Bibliography

BS 3137 : 1972 *Methods for Determining the Bursting Strength of Paper and Board*

BS 3177 : 1959 *Method for determining the permeability to water vapour of flexible sheet materials used for packaging*

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

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

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

BS EN 1107-2 : 2001 *Flexible sheets for waterproofing — Determination of dimensional stability — Part 2: Plastic and rubber sheets for roof waterproofing*

BS EN 1109 : 2000 *Flexible sheets for waterproofing — Bitumen sheets for roof waterproofing — Determination of flexibility at low temperature*

BS EN 1296 : 2001 *Flexible sheets for waterproofing — bitumen, plastic and rubber sheets for roofing — method of artificial ageing by long term exposure to elevated temperature*

BS EN 1297 : 2004 *Flexible sheets for waterproofing — Bitumen, plastic and rubber sheets for roof waterproofing — Method of artificial ageing by long term exposure to the combination of UV radiation, elevated temperature and water*

BS EN 1928 : 2000 *Flexible sheets for waterproofing — bitumen, plastic and rubber sheets for roof waterproofing — determination of watertightness*

BS EN 1939 : 2003 *Self-adhesive tapes — Determination of peel adhesion properties*

BS EN 1991-1-4 : 2005 + A1 : 2010 *Eurocode 1 — Actions on structures — General actions — Wind actions*
NA to BS EN 1991-1-4 : 2005 + A1 : 2010 UK National Annex to *Eurocode 1 — Actions on structures — General actions — Wind actions*

BS EN 12310-1 : 2000 *Flexible sheets for waterproofing — Part 1: Bitumen sheets for waterproofing — Determination of resistance to tearing (nail shank)*

BS EN 12311-1 : 2000 *Flexible sheets for waterproofing — Determination of tensile properties — Bitumen sheets for roof waterproofing*

BS EN 13501-1 : 2007 + A1 : 2009 *Fire classification of construction products and building elements — Classification using data from reaction to fire tests*
BS EN 13501 : 2018 *Fire classification of construction products and building elements — Classification using data from reaction to fire tests*

BS EN 13823 : 2010 *Reaction to fire tests for building products — Building products excluding floorings exposed to the thermal attack by a single burning item*

BS EN 13859-1 : 2014 *Flexible sheets for waterproofing — Definitions and characteristics of underlays — Underlays of discontinuous roofing*

BS EN 20811 : 1992 *Textiles — Determination of resistance to water penetration — Hydrostatic pressure test*

BS EN ISO 12572 : 2001 *Hygrothermal performance of building materials and products — Determination of water vapour transmission properties*

EN 13859-1 : 2010 *Flexible sheets for waterproofing — Definitions and characteristics of underlays — Underlays for discontinuous roofing*
EN 13859-1 : 2014 *Flexible sheets for waterproofing — Definitions and characteristics of underlays — Underlays for discontinuous roofing*

ISO 9001 : 2015 *International Standard for Quality Management Systems*

MOAT 69 : 2004 *UEAtc Technical Report for the Assessment of Discontinuous Roofing Underlay Systems*

Conditions

1 This Certificate:

- relates only to the product that is named and described on the front page
- is issued only to the company, firm, organisation or person named on the front page – no other company, firm, organisation or person may hold or claim that this Certificate has been issued to them
- is valid only within the UK
- has to be read, considered and used as a whole document – it may be misleading and will be incomplete to be selective
- is copyright of the BBA
- is subject to English Law.

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

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

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

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

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

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

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

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