

## La Roc Building Solutions Ltd

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**Agrément Certificate**

**18/5592**

Product Sheet 3

### ECOREND – THROUGH COLOURED RENDER SYSTEMS

### ECOREND SR15 SILICONE THIN COAT RENDER SYSTEM

This Agrément Certificate Product Sheet<sup>(1)</sup> relates to the ecorend SR15 Silicone Thin Coat Render System, a spray- or hand-applied render system, applied onto suitably prepared exterior substrates of existing cement render, brickwork, blockwork or concrete, on new or existing buildings.

#### CERTIFICATION INCLUDES:

- factors relating to compliance with Building Regulations where applicable
- factors relating to additional non-regulatory information where applicable
- independently verified technical specification
- assessment criteria and technical investigations
- design considerations
- installation guidance
- regular surveillance of production
- formal three-yearly review.



#### KEY FACTORS ASSESSED

**Weather resistance** — the system tends to shed water and will considerably reduce the amount of water penetrating through to the substrate (see section 6).

**Strength and stability** — the system has adequate resistance to impact damage and cracking (see section 7).

**Performance in relation to fire** — the system is classified as B-s1, d0 and may be restricted by the national Building Regulations (see section 9).

**Durability** — the system, when applied to a suitably prepared sound substrate, will perform satisfactory for a period in excess of 25 years (see section 11).

The BBA has awarded this Certificate to the company named above for the system described herein. This system 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 First issue: 24 August 2022

Hardy Giesler  
Chief Executive Officer

The BBA is a UKAS accredited certification body – Number 113.

The schedule of the current scope of accreditation for product certification is available in pdf format via the UKAS link on the BBA website at [www.bbacerts.co.uk](http://www.bbacerts.co.uk)

Readers MUST check the validity and latest issue number of this Agrément Certificate by either referring to the BBA website or contacting the BBA directly.

Any photographs are for illustrative purposes only, do not constitute advice and should not be relied upon.

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## Regulations

In the opinion of the BBA, the ecorend SR15 Silicone Thin Coat Render System, 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 presence of a UK map indicates that the subject is related to the Building Regulations in the region or regions of the UK depicted):



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

<b>Requirement:</b>	<b>B4(1)</b>	<b>External fire spread</b>
Comment:	The system can satisfy by this Requirement. See sections 9.1 to 9.4 of this Certificate.	
<b>Requirement:</b>	<b>C2(b)(c)</b>	<b>Resistance to moisture</b>
Comment:	Walls rendered with the system can satisfy this Requirement. See section 6.2 and 8 of this Certificate.	
<b>Regulation:</b>	<b>7(1)</b>	<b>Materials and workmanship</b>
Comment:	The system is acceptable. See section 11.1 and the <i>Installation</i> part of this Certificate.	
<b>Regulation:</b>	<b>7(2)</b>	<b>Materials and workmanship</b>
Comment:	The systems are restricted by this Regulation. See sections 9.1 and 9.3 of this Certificate.	



### The Building (Scotland) Regulations 2004 (as amended)

<b>Regulation:</b>	<b>8(1)(2)</b>	<b>Durability, workmanship and fitness of materials</b>
Comment:	Use of this system can satisfy this Regulation. See sections 10 and 11.1 and the <i>Installation</i> part of this Certificate.	
<b>Regulation:</b>	<b>8(3)</b>	<b>Durability, workmanship and fitness of materials</b>
Comment:	The systems may be restricted by this Regulation. See sections 9.1 and 9.6 of this Certificate.	
<b>Regulation:</b>	<b>9</b>	<b>Building standards applicable to construction</b>
Standard:	2.6	Spread to neighbouring buildings
	2.7	Spread to external walls
Comment:	The system may be restricted by these Standards, with reference to clauses 2.6.4 <sup>(1)(2)</sup> , 2.6.5 <sup>(1)</sup> , 2.6.6 <sup>(2)</sup> and 2.7.1 <sup>(1)(2)</sup> . See section 9.1, 9.5 and 9.6 of this Certificate.	
Standard:	3.10	Precipitation
Comment:	A wall rendered with the system can satisfy the requirements of this Standard, with reference to clauses 3.10.1 <sup>(1)(2)</sup> , 3.10.2 <sup>(1)(2)</sup> , 3.10.3 <sup>(1)(2)</sup> and 3.10.5 <sup>(1)(2)</sup> . See section 6.2 of this Certificate.	
Standard:	3.15	Condensation
Comment:	The product can contribute to satisfying this Standard, with reference to clauses 3.15.1 <sup>(1)(2)</sup> , 3.15.4 <sup>(1)(2)</sup> and 3.15.5 <sup>(1)(2)</sup> . See section 8 of this Certificate.	
Standard:	7.1(a)	Statement of sustainability
Comment:	The system can contribute to meeting 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.	
<b>Regulation:</b>	<b>12</b>	<b>Building standards applicable to conversions</b>
Comment:	Comments in relation to the system under Regulation 9, Standards 1 to 6 also apply to this Regulation, with reference to clause 0.12.1 <sup>(1)(2)</sup> and Schedule 6 <sup>(1)(2)</sup> .	

(1) Technical Handbook (Domestic).

(2) Technical Handbook (Non-Domestic).



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

<b>Regulation:</b>	<b>23(a)(i)</b>	<b>Fitness of materials and workmanship</b>
Comment:	<b>(b)(i)</b>	The system is acceptable. See section 11.1 and the <i>Installation</i> part of this Certificate.
<b>Regulation:</b>	<b>23(2)</b>	<b>Fitness of materials and workmanship</b>
Comment:		The systems may be restricted by this Regulation. See sections 9.1 to 9.3 of this Certificate.
<b>Regulation:</b>	<b>28(b)</b>	<b>Resistance to moisture and weather</b>
Comment:		Walls rendered with the system can satisfy this Regulation. See section 6.2 of this Certificate.
<b>Regulation:</b>	<b>29</b>	<b>Condensation</b>
Comment:		The product can contribute to satisfying this Regulation. See section 8 of this Certificate.
<b>Regulation:</b>	<b>36(a)</b>	<b>External fire spread</b>
Comment:		The system is unrestricted by this Regulation. See section 9.1 to 9.3 of this 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.

See sections: 1 *Description* (1.3), 3 *Delivery and site handling* (3.1 and 3.5) and 15 *Mixing* (15.2) of this Certificate.

## Additional Information

### NHBC Standards 2022

In the opinion of the BBA, the ecorend SR15 Silicone Thin Coat Render System, if installed, used and maintained in accordance with this Certificate, can satisfy or contribute to satisfying the relevant requirements in relation to *NHBC Standards, Part 6 Superstructure (excluding roofs), Chapter 6.11 Render*.

### CE marking

The Certificate holder has taken the responsibility of CE marking ecorend X32 One-Coat Base, ecorend SP15 Silicone Primer and ecorend SR15 Silicone Thin Coat Render in accordance with harmonised European Standards BS EN 998-1 : 2010 and BS EN 15824 : 2009 respectively.

## Technical Specification

### 1 Description

1.1 The ecorend SR15 Silicone Thin Coat Render System is a ready to use through coloured flexible spray- or hand-applied render system, available in a variety of colours.

1.2 The ecorend SR15 Silicone Thin Coat Render System comprises:

- ecorend X32 One-Coat Base Enhanced — a polymer modified cement based waterproofing base coat
- ecorend standard mesh — an alkali resistant glassfibre mesh with a nominal weight of 165 g·m<sup>-2</sup> and mesh size of 4 mm, for full application
- ecorend SP15 Silicone Primer — a ready-to-use through-coloured primer

- ecorend SR15 Thin Coat Render — a full-silicone resin based, ready-to-use, through-coloured thin coat render.

1.3 The system is applied to a finished thickness of 11.5 mm, has a weight of 18.8 kg·m<sup>2</sup>, to provide a textured finish.

## 2 Manufacture

2.1 The components of the system are manufactured using batch processes by blending measured quantities of component materials in suitable mixers.

2.2 As part of the assessment and ongoing surveillance of product quality, the BBA has:

- agreed with the manufacturer the quality control procedures and product testing to be undertaken
- assessed and agreed the quality control operated over batches of incoming materials
- monitored the production process and verified that it is in accordance with the documented process
- evaluated the process for management of nonconformities
- checked that equipment has been properly tested and calibrated
- undertaken to carry out 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.

2.3 The management system of La Roc Building Solutions Ltd has been assessed and registered as meeting the requirements of BS EN ISO 9001 : 2015 by CQS (Certificate GB2005300).

## 3 Delivery and site handling

3.1 ecorend X32 One-Coat Base Enhanced is delivered in 25 kg bags on pallets. Each pallet contains 40 bags and weighs 1000 kg. ecorend SP15 Silicone Primer and ecorend SR15 Thin Coat Render are delivered in 25 kg buckets on pallets. Each pallet contains 30 buckets and weighs 750 kg.

3.2 ecorend X32 One-Coat Base Enhanced, ecorend SP15 Silicone Primer and ecorend SR15 Thin Coat Render must be stored under cover, off the ground, in dry conditions, and protected from moisture and frost. Pallets should not be stored on top of ecorend SP15 Silicone Primer and ecorend SR15 Thin Coat Render.

3.3 Renders should be used in the order in which they are received and each delivery should be kept separate to avoid confusion. When stored unopened, the components have a shelf-life of 12 months from the date of manufacture.

3.4 The Certificate holder has taken responsibility of classifying and labelling the system components under the *CLP Regulation (EC) No 1272/2008 on the classification, labelling and packaging of substances and mixtures*. User must refer to the relevant Safety Data Sheet(s). The system components must be handled using the routine precautions for Portland cement.

## Assessment and Technical Investigations

The following is a summary of the assessment and technical investigations carried out on the SR15 Silicone Thin Coat Render System.

## Design Considerations

### 4 Use

4.1 The ecorend SR15 Silicone Thin Coat Render System is satisfactory for external use as a render finish on backgrounds of brickwork, blockwork, concrete and suitably prepared sand/cement render, in areas with exposure zones as specified in section 6.2.

4.2 New constructions to be rendered with the system should be designed and constructed in accordance with the relevant recommendations of BS EN 1996-2 : 2006 and its UK National Annex, and BS EN 13914-1 : 2016. The designer should select a construction appropriate to its location, paying due attention to design, detailing and workmanship and the materials to be used.

4.3 It is essential that all walls are designed and constructed to prevent moisture penetration and the formation of condensation. Substrates must be properly prepared and suitable for receiving a rendered finish.

4.4 The scope of this Certificate covers the use of the system on areas of the wall above the damp-proof course (dpc) level.

4.5 The system is not suitable for application to previously decorated surfaces.

4.6 Additional advice and project specifications for applications onto high or low absorption masonry substrates should be sought from the Certificate holder.

4.7 In common with traditional renders, it is essential that the surface to be rendered is clean and provides a sound mechanical key, to ensure a satisfactory bond between the substrate and the system. In instances where this is not the case, the Certificate holder should be consulted for advice on substrate preparation.

4.8 Bed joint reinforcement should be provided in the first two courses of the external masonry leaf above and below openings. See *NHBC Standards 2018*, Chapter 6.11, Clause 6.11.5 *Accommodation of movement*.

## 5 Practicability of installation

Installation is designed to be installed by a competent skilled renderer, or a contractor, experienced with this type of system.

## 6 Weather resistance

6.1 The system will improve the weather resistance of a wall and provide a decorative finish.



6.2 The system is suitable for use in exposure zones up to and including the 'severe' wind-driven rain index category, in accordance with PD 6697 : 2019.

6.3 The system tends to shed water and will considerably reduce the amount of water absorbed by the substrate.

## 7 Strength and stability

The system has adequate resistance to impact and cracking in all normal circumstances. Where the system may be exposed to severe impact (eg on some industrial sites), or is to be applied over existing background cracks, precautions may be required to reduce the risk of damage.

## 8 Water vapour resistance



The water vapour permeability coefficient ( $\mu$ ) of the render system is 75.

## 9 Performance in relation to fire



9.1 The render system applied over any substrate with a minimum density of 1200 kg.m<sup>3</sup> or greater, having a minimum thickness of 6 mm is classified<sup>(1)</sup> as B-s1, d0 to BS EN 13501-1 : 2018. This classification applies to the complete colour range.

(1) Test report WF 432199 dated 2nd June 2021 issued by Warringtonfire. A copy of the report is available from the Certificate holder upon request.



9.2 The classification and permissible areas of use of other specifications should be established in accordance with the documents supporting the national Building Regulations.

9.3 In England, Wales and Northern Ireland, the system defined in section 9.1 may be used on buildings at any proximity to a boundary. For buildings with a storey more than 18 m above the ground, designers should consider the impact on the risk of fire spread over the wall. See also section 9.4.



9.4 The system should not be used on buildings in England and Wales that have a storey at least 18 m above ground level and contain: one or more dwellings, an institution, a room for residential purposes (excluding any room in a hostel, hotel or boarding house), student accommodation, care homes, sheltered housing, hospitals or dormitories in boarding schools



9.5 In Scotland, the render systems are not classified as non-combustible, and may be used on buildings more than 1 m from a boundary and, on houses, 1 m or less from a boundary. With minor exceptions, the render systems should be included in calculations of unprotected area, except on houses where the external wall behind has the appropriate fire resistance.

9.6 In Scotland, the systems should not be used on any building with a storey more than 11 m above the ground, or on any entertainment or assembly building with a total storey area more than 500 m<sup>2</sup>, or on any hospital or residential care building with a total storey area more than 200 m<sup>2</sup>.

9.7 Designers should 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 and combustibility limitations for other materials and components used in the overall wall construction, for example, thermal insulation.

9.8 For resistance to fire, the performance of a wall incorporating the systems should be determined by tests from a suitably accredited laboratory and is outside the scope of this Certificate.

## 10 Maintenance



Regular maintenance checks should be carried out to ensure that architectural details for shedding water clear of the building are present and functioning. External plumbing, fittings, gutters and downpipes must be in good condition to minimise water penetration into the render. Any damage to the render should be repaired immediately (see section 19).

## 11 Durability



11.1 The system, applied to a suitable, sound substrate, will perform satisfactory for a period in excess of 25 years.

11.2 The system may become discoloured over time, the rate depending on the local environment. Appearance can normally be restored by cleaning with water and a suitable brush. In industrial atmospheres, light-coloured renders should be avoided.

11.3 The system will be discoloured by water runs, and care should be taken to ensure that the measures given in section 10 are taken.

11.4 The system may suffer from algal growth in a similar manner to traditional external rendered finishes. For additional preventative advice, the Certificate holder should be consulted.

11.5 In common with traditional renders, the system may be subject to lime bloom. The occurrence of this may be reduced by providing adequate protection and avoiding application in winter or in adverse weather conditions. The effect is less noticeable on white or paler colours. For additional preventative advice, the Certificate holder should be consulted.

### 12 General

12.1 Application of the system must be carried out strictly in accordance with this Certificate, the Certificate holder's instructions and the relevant recommendations of BS EN 13914-1 : 2016. The Certificate holder should be consulted to provide a specification for each individual job. When use of the system for the first time is being considered, the Certificate holder should be consulted.

12.2 The system should not be applied in rain or mist, at temperatures above 25°C or below 5°C, or if exposure to frost is likely to occur during drying. In common with traditional sand/cement renders, the system must not be applied to frost-bound walls.

12.3 In sunny weather, work should commence on the shady side of the building and be continued round following the sun to prevent the base-coat from drying out too rapidly.

12.4 To minimise colour shade variations and to avoid dry line jointing, continuous surfaces should be completed without a break. If breaks cannot be avoided they should be where services or architectural features, such as reveals or lines of doors and windows, will help to mask cold joints. Where long, uninterrupted runs are planned, buckets of the material should be checked for batch numbers; buckets with different batch numbers should be checked for colour consistency.

### 13 Site survey and preliminary work

13.1 Advice concerning site survey and preliminary work for application of the system is available to the designer or rendering contractor on request from the Certificate holder.

13.2 A pre-application survey of the property must be carried out to determine its suitability to receive the system and whether repairs to the building structure are necessary before application. A specification must also be prepared by the designer for each elevation indicating:

- preliminary treatment of the background
- the position of the beads
- detailing around windows and doors, and at eaves
- dpc level
- exact position of the movement joints
- areas where flexible sealants must be used
- any alterations to external plumbing, fixtures and fittings.

13.3 The mortar in new masonry must conform to the brick/block manufacturer's recommendations.

13.4 All necessary repairs to the building structure must be completed before application.

13.5 It is recommended that external plumbing to existing buildings be removed and, where necessary, alterations made to the underground drainage to accommodate its repositioning on the finished face of the render.

13.6 On existing buildings, purpose-made over-sills may be necessary to extend beyond the finished face of the system. Sills should have an efficient throat or drip on the underside and be designed to prevent water running onto the wall below, or into the jambs. New buildings should incorporate suitably wide sills.

13.7 In common with traditional renders, new walls to be rendered should be left for as long as possible to dry out and to minimise the subsequent substrate movement. Where this may not be practical, the Certificate holder should be consulted for additional advice.

13.8 At the top of walls, the system must be protected by an adequate overhang or by adequately sealed, purpose-made flashing.



## 14 Preparation of the substrate

14.1 All damage to the substrate from frost attack, salt or corrosion must be carefully repaired. Damaged blocks must be replaced, and any holes or insufficiently filled joints repaired using a suitable mortar. Loose and spalling render or projecting mortar joints should be removed, and uneven surfaces levelled using an appropriate render to minimise variations in the thickness of the system. For additional advice, the Certificate holder should be consulted.

14.2 The relevant recommendations of BS EN 13914-1 : 2016 must be followed if a satisfactory bond is to be achieved. In particular, the surface to be rendered must provide a good mechanical key and adequate suction, and be free from paint, oil, soot, efflorescence, dust, lichens, mould and similar growth, or anything else that could prevent a satisfactory bond.

14.3 It is essential that the substrate to be rendered is clean. This applies to both new and old surfaces.

14.4 The substrate should be checked for suction by spraying the surface with clean water. If water is not absorbed, it will be impossible to obtain a good bond and the application should not commence until the surface has dried out. If, however, the water is readily absorbed by the substrate, the background may be too absorbent, and some wetting will be necessary to prevent the water required for the hydration and workability of the system from being extracted too quickly.

14.5 Additional advice and a project specification should be sought from the Certificate holder for use on:

- low suction smooth substrates
- high suction substrates.

14.6 Wherever possible, independent scaffolding should be used to avoid the need to subsequently make good putlog holes and other breaks in the work.

## 15 Mixing

15.1 ecorend X32 One-Coat Base Enhanced is added to clean water at a rate of approximately 5.5 litres of water per 25 kg of product, and thoroughly mixed using a suitable paddle mixer. The product should be mixed for 2 minutes, allowed to stand for 2 minutes and then re-mixed. Advice should be sought from the Certificate holder regarding suitable equipment and water/render ratios for mechanical spray application.

15.2 ecorend SP15 Silicone Primer and ecorend SR15 Thin Coat Render are ready-to-use components. Depending on weather conditions and the substrate, they can be diluted with a maximum of 2% water.

15.3 Where excessive concentrations of dust may be accountable, the measures defined in the Health and Safety Executive Publication EH40/05 *Occupational Exposure Limits* (2<sup>nd</sup> Edition 2011, amended March 2013) for unlisted substances must be adhered to.

15.4 In common with traditional renders, slumping of ecorend X32 One-Coat Base Enhanced may occur if the mix is too wet, increasing the risk of settlement cracks developing.

## 16 Application

16.1 The thickness of the finished coating should be 11.5 mm.

16.2 ecorend X32 One-Coat Base Enhanced is applied by hand using a hawk and trowel, or spray applied using suitable equipment, to the required thickness of 10mm leaving a flat finish. The first pass should be applied to the substrate with a stainless steel trowel or spray pump, and for ease of application a serrated feather edge and finishing spatula can be used. Apply the first pass to minimum 8mm thickness and lightly comb horizontally using a 10mm notched trowel in preparation to receive fibre-reinforcing mesh. Lightly embed mesh corner and head beads. Lightly embed fibre-reinforcing mesh vertically-top to bottom into the first pass ensuring that the mesh is overlapped minimum 100mm at the mesh joints. No joints within 150mm of any openings. Additional fibre-reinforcing mesh stress patches of 500 x 500mm should be added at all openings i.e windows, doors and reveals for additional substrate stress protection.



16.3 Once stiffened the second pass should then be applied to a minimum 2mm thick wet on wet to the first pass, levelled flat using a spatula or straight edge. The basecoat should be finished to a smooth, flat finish using a sponge float in preparation to receive the ecorend SP15 Silicone Primer. A minimum thickness of 10 mm is required.

16.4 ecorend SP15 Silicone Primer is applied to the base coat when fully cured and dry, using a lamb's wool roller or paintbrush, or is sprayed, depending on the size of the substrate. The wall should be masked where required before application of the primer. The basecoat must be 100% covered with ecorend SP15 Silicone Primer.

16.5 Once ecorend SP15 Silicone Primer is fully cured and the substrate is dry, apply ecorend SR15 Silicone Thin Coat Render using a stainless steel trowel, or suitable spray equipment depending on the grain size. Use the size of the aggregate to gauge the thickness of the render when applying to the substrate ie: ecorend SR15 = thickness 1.5mm. Once the render is applied finish with a plastic float working the material in small circular motions, this will create a natural random, textured finish.

## 17 Curing

17.1 Care must be taken to protect the render from drying too rapidly owing to exposure to direct sunlight or drying wind.

17.2 The render must be protected from rain, mist and cold (less than 5°C on a falling thermometer) during the early curing period, as drying could be excessively prolonged under such circumstances.

17.3 Polythene sheeting is recommended for curing and should be arranged to hang clear of the face of the wall so as not to form a tunnel through which the wind could increase the evaporation of water from the render. The polythene sheeting must not be in intermittent contact with the render as this will produce a patchy appearance.

## 18 Finishing

On completion of the render installation, the surface is checked to ensure an even coverage.

## 19 Repair

Any damages to the render must be repaired immediately in accordance with the relevant recommendations of BS EN 13914-1 : 2016. The advice of the Certificate holder should be sought for particular installations.

## Technical Investigations

## 20 Tests

20.1 Tests were carried out on the ecorend SR15 Silicone Thin Coat Render System and the results assessed to determine:

- bond strength, resistance to hard body impact following wet/heat and freeze/thaw cycling
- water vapour permeability
- flexural and compressive strength after 7 and 28 days
- dry bulk density
- adhesion and adhesion after weathering cycles
- capillary water absorption
- water permeability on relevant substrates after weathering cycle.

20.2 An assessment of data was made of data to BS EN 998-1 : 2016 and BS EN 15824 : 2009 for the system in relation to fire.

## 21 Investigations

The manufacturing process was evaluated, including the methods adopted for quality control, and details were obtained of the quality and composition of the materials used.

## Bibliography

BS EN 998-1 : 2016 *Specification for mortar for masonry – Rendering and plastering mortar*

BS EN 1996-2 : 2006 *Eurocode 6 – Design of masonry structures – Design considerations, selection of materials and execution of masonry*

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 13914-1 : 2016 *Design, preparation and application of external rendering and internal plastering – External rendering*

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

PD 6697 : 2010 *Recommendations for the design of masonry structures to BS EN 1996-1-1 and BS EN 1996-2*

BS EN 15824 : 2009 *Specifications for external renders and internal plasters based on organic binders*

### 22 Conditions

#### 22.1 This Certificate:

- relates only to the product/system 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.

22.2 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.

22.3 This Certificate will remain valid for an unlimited period provided that the product/system 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.

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

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

22.6 Any information relating to the manufacture, supply, installation, use, maintenance and removal of this product/system which is contained or referred to in this Certificate is the minimum required to be met when the product/system 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.