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Agrément Certificate

95/3098

Product Sheet 3

SOPREMA SBS MODIFIED BITUMEN MEMBRANES

SOPRALENE FLAM GARDEN 250 AF

This Agrément Certificate Product Sheet⁽¹⁾ relates to Sopralene Flam Garden 250 AF, a polyester-reinforced SBS modified bitumen waterproofing membrane for use in roof garden (intensive planting) and green roof (extensive planting) applications, including use in zero fall specifications.

(1) Hereinafter referred to as 'Certificate'.

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

Weathertightness — the membrane will resist the passage of moisture into the building (see section 6).

Properties in relation to fire — the membrane can enable a roof to be unrestricted under the national Building Regulations (see section 7).

Resistance to wind uplift — the membrane will resist the effects of any likely wind suction acting on the roof (see section 8).

Resistance to foot traffic — the membrane will accept the limited foot traffic and loads associated with installation and maintenance (see section 9).

Resistance to penetration by roots — the membrane will adequately resist plant root penetration (see section 10).

Durability — under normal service conditions, the membranes will provide a durable roof waterproofing with a service life in excess of 30 years (see section 12).

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.

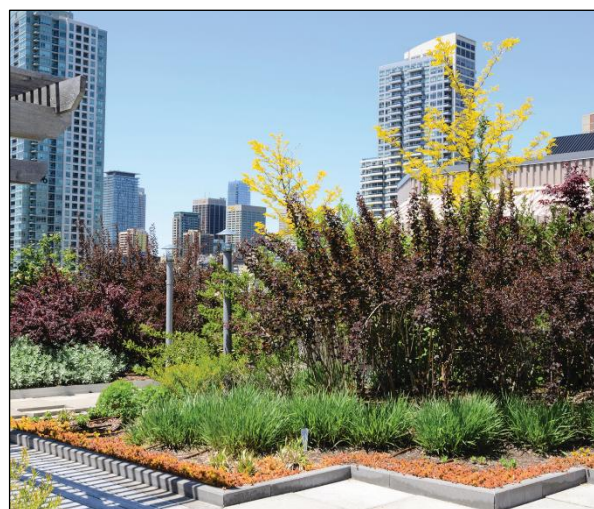
On behalf of the British Board of Agrément

Date of Third issue: 22 November 2017

John Albon – Head of Approvals
Construction Products

Originally certificated on 28 March 1995

Claire Curtis-Thomas
Chief Executive



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

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Regulations

In the opinion of the BBA, Sopralene Flam Garden 250 AF, 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)

Requirement:	B4(2)	External fire spread
Comment:		On suitable substructures the use of the membrane can enable a roof to be unrestricted under this Requirement. See sections 7.1 to 7.3 of this Certificate.
Requirement:	C2(b)	Resistance to moisture
Comment:		The membrane, including joints, will enable a roof to satisfy this Requirement. See section 6.1 of this Certificate.
Regulation:	7	Materials and workmanship
Comment:		The product is acceptable. See section 12.1 and the <i>Installation</i> part of this Certificate.



The Building (Scotland) Regulations 2004 (as amended)

Regulation:	8(1)(2)	Durability, workmanship and fitness of materials
Comment:		The use of the product satisfies the requirements of this Regulation. See sections 11.1 and 12.1 and the <i>Installation</i> part of this Certificate.
Regulation:	9	Building standards applicable to construction
Standard:	2.8	Spread from neighbouring building
Comment:		The membrane, when applied to a suitable substructure, is regarded as having low vulnerability under clause 2.8.1 ⁽¹⁾⁽²⁾ of this Standard. See sections 7.1 to 7.3 of this Certificate.
Standard:	3.10	Precipitation
Comment:		The membrane, including joints, will enable a roof to satisfy the requirements of this Standard, with reference to clauses 3.10.1 ⁽¹⁾⁽²⁾ and 3.10.7 ⁽¹⁾⁽²⁾ . See section 6.1 of this Certificate.
Standard:	7.1(a)(b)	Statement of sustainability
Comment:		The product 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.
Regulation:	12	Building standards applicable to 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(a)(i)	Fitness of materials and workmanship
Comment:	(iii)(b)(i)	The product is acceptable. See section 12.1 and the <i>Installation</i> part of this Certificate.
Regulation:	28(b)	Resistance to moisture and weather
Comment:		The membrane, including joints, will enable a roof to satisfy the requirements of this Regulation. See section 6.1 of this Certificate.

Regulation:	36(b)	External fire spread
Comment:	On suitable substructures the use of the product can be unrestricted by the requirements of this Regulation. See sections 7.1 to 7.3 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* (1.2) and 3 *Delivery and site handling* (3.3) of this Certificate.

Additional Information

NHBC Standards 2017

In the opinion of the BBA, Sopralene Flam Garden 250 AF, 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 7.1 *Flat roofs and balconies*.

CE marking

The Certificate holder has taken the responsibility of CE marking the product in accordance with harmonised European Standard EN 13707 : 2013. An asterisk (*) appearing in this Certificate indicates that data shown are given in the manufacturer's Declaration of Performance.

Technical Specification

1 Description

1.1 Sopralene Flam Garden 250 AF is a torch-on, styrene-butadiene-styrene (SBS) copolymer modified bitumen waterproofing sheet, including an anti-root additive, with a non-woven polyester reinforcement.

1.2 The membrane is manufactured to the characteristics given in Table 1.

Table 1 Nominal dimensions of Sopralene Flam Garden 250 AF

Dimension (unit)	Sopralene Flam Garden 250 AF
Thickness (mm)	4.5
Width (m)	1.0
Length (m)	8.0
Roll weight (kg)	45
Surface finish	
lower	thermofusible plastic film
upper	slate

1.3 Declared physical characteristics for the membrane are given in Table 2.

Table 2 Physical properties of Soprelene Flam Garden 250 AF

Characteristic (unit)	Sopralene Flam Garden 250 AF
Tensile strength at break (N per 50 mm)*	
longitudinal	1200
transverse	950
Elongation at break (%)*	
longitudinal	45
transverse	45
Tear strength (N)*	225
Low temperature foldability (°C)*	-20
Static indentation (kg)*	20

1.4 The following membranes can be used in conjunction with Sopralene Flam Garden 250 AF:

Underlayers

- Ventiglass SBS 3 TF — SBS modified bitumen membrane with a glassfibre reinforcement. The upper surface is finished with talcum/sand and the lower surface has thermofusibile bitumen stripes alternated with non-stick stripes protected by a thermofusibile film
- Ventirock SBS 3 TF — SBS modified bitumen membrane with polyester reinforcement. The upper surface is finished with talcum/sand, and the lower surface has thermofusibile bitumen stripes alternated with non-stick stripes, protected by a thermofusibile film
- Soprarock SBS P3 TF — SBS modified bitumen membrane with a composite polyester reinforcement. The upper surface is finished with talcum/sand and the lower surface is protected by a thermofusibile film
- Elastophene Flam 25 AR — SBS modified bitumen membrane with glassfibre reinforcement. The upper surface is finished with slate and the lower surface is protected by a thermofusibile film
- Sopralene Flam 180 TF — SBS modified bitumen membrane with a non-woven polyester reinforcement. The upper surface is finished with talcum or sand. The lower surface is protected by a thermofusibile film
- Sopralene Flam 250 TF — SBS modified bitumen membrane with a non-woven polyester reinforcement. The upper surface is finished with talcum or sand. The lower surface by a thermofusibile film
- Sopralene Flam Venti 250 TF — SBS modified bitumen membrane with a non-woven polyester reinforcement. The upper surface is finished with talcum or sand and the selvedge is protected by polypropylene film. The lower surface has thermofusibile bitumen stripes alternated with non-stick stripes, protected by a thermofusibile film
- Soprastick Venti FF — SBS modified self-adhesive bitumen membrane with a composite polyester reinforcement. The upper surface is finished with a thermofusibile film, and the lower surface has alternating non-stick stripes and self-adhesive stripes, protected by a silicone release sheet
- Soprastick — SBS modified self-adhesive bitumen membrane with a composite polyester reinforcement. The upper surface is protected by a thermofusibile film, and the lower surface is protected by a silicone release film. The membrane has a duo selvedge, part self-adhesive, part welding

Vapour control layer (VCL)

- Sopravap Stick C15 — self-adhesive SBS modified bitumen membrane with polyester reinforcement. The upper surface is finished with talcum or sand

Vapour barriers

- Sopravap EVA 35 — SBS modified bitumen membrane with a composite aluminium and a fiberglass reinforcement. The upper surface is finished with talcum/sand, and the lower surface is protected by a thermofusibile film
- Sopravap PB Alu 3 TF — polymer modified bitumen membrane with an aluminium reinforcement. The upper surface is finished with talcum or sand, and the lower surface is protected by a thermofusibile film.
- Sopravap Stick Alu S16 — self-adhesive modified bitumen membrane with a composite glass grid/aluminium reinforcement. The upper surface has a sand finish and the lower surface is protected by a silicone release sheet
- Sopravap Alu Activa 2 — SBS modified bitumen membrane with a composite aluminium reinforcement. The upper and lower surfaces are provided with SBS lanes alternated with non-stick lanes, protected with a thermofusibile film
- Sopravap Alu KSD — SBS modified bitumen with a composite aluminium reinforcement also acting as the upper surface protection. The lower surface is protected by a silicone release film.

1.5 Elastocol 500, Aquadere, Sopradere Quick and Elastocol 600 are cold-applied bitumen primers for the preparation of substrates.

1.6 Other products which may be used with Sopralene Flam Garden 250 AF, but which are outside the scope of this Certificate, include:

- Soprajoint — flexible SBS elastomeric bitumen waterproofing strip, for use in expansion joints
- Alsan Flashing (Jardin) — bitumen-polyurethane resin, for use in upstands
- Easy Torch — SBS modified bitumen membrane. The upper surface has a sand/talcum finish and the lower surface is protected by a thermofusible film
- Sopravap 3 in 1 — two-component, polyurethane-based VCL
- Alsan 770 and Alsan 770TX — PMMA-based liquid-applied roof waterproofing resins.

2 Manufacture

2.1 The membrane is manufactured by saturating and coating the reinforcement with SBS modified bitumen, then calendaring to the correct thickness. The surfaces are finished by the application of slate chippings and thermofusible film. The sheets are cooled, trimmed and rolled for packaging.

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 Soprema NV has been assessed and registered as meeting the requirements of EN ISO 9001 : 2008 and EN ISO 14001 : 2004 by BSI (Certificates FM593574 and EMS 593575 respectively).

3 Delivery and site handling

3.1 The product is delivered to site in rolls, in paper wrappings which are packed on pallets and shrink-wrapped in polythene. The roll labels bear the name of the product and the manufacturing data, and in some cases will include the BBA logo incorporating the number of this Certificate.

3.2 Individual rolls must be stored upright on the selvedge end, on a clean, smooth, level surface and kept under cover.

3.3 The Certificate holder has taken the responsibility of classifying and labelling the primers under 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.

Assessment and Technical Investigations

The following is a summary of the assessment and technical investigations carried out on Sopralene Flam Garden 250 AF.

Design Considerations

4 Use

4.1 Sopralene Flam Garden 250 AF is satisfactory for use as a top-layer membrane in roof waterproofing systems in flat and zero fall roofs, in roof gardens (intensive planting) and in flat, zero fall roofs and pitched green roof (extensive planting) specifications.

4.2 Flat roofs are defined for the purpose of this Certificate as those having a minimum finished fall of 1:80. For design purposes, twice the minimum finished fall should be assumed, unless a detailed analysis of the roof is available, including overall and local deflection, direction of falls, etc. Pitched roofs are defined for the purpose of this Certificate as those having a fall greater than 1:6.

4.3 Zero fall roofs are defined for the purpose of this Certificate as those having a finished fall which can vary between 0° and 0.7°. Reference should also be made to the appropriate clauses in *Liquid Roofing and Waterproofing Association (LRWA) Note 7 – Specifier Guidance for Flat Roof Falls*.

4.4 Decks to which the product is to be applied must comply with the relevant requirements of BS 6229 : 2003, BS 8217 : 2005 and, where appropriate, *NHBC Standards 2017*, Chapter 7.1.

4.5 Insulation materials to be used in conjunction with the membranes must be in accordance with the Certificate holder's instructions and be either:

- as described in the relevant clauses of BS 8217 : 2005, or
- the subject of a current BBA Certificate and used in accordance with that Certificate.

4.6 The NHBC requires that the roof membrane, once installed, be visually inspected and electronically tested for its waterproofing integrity prior to the installation of the green roof/roof garden system in accordance with of NHBC Standards, Chapter 7.1, clause 7.1.9. Any damage to the membrane is repaired in accordance with section 15 of this Certificate.

4.7 Dead loads, wind loading and imposed loads are calculated in accordance with BS EN 1991-1-1 : 2002, BS EN 1991-1-3 : 2003, BS EN 1991-1-4 : 2005 and their UK National Annexes.

4.8 Recommendations for the design of green roofs and roof garden specifications are available within the latest edition of *The GRO Green Roof Code, Green Roof Code of Best Practice for the UK*.

4.9 Structural decks for green roofs and roof gardens to which the product is to be applied must be suitable to transmit the dead and imposed loads experienced in service.

4.10 The drainage system for zero fall green roofs, brown roofs or roof gardens must be correctly designed, and provision made for access for maintenance purposes. Dead loads for green roofs and roof gardens can increase if the drains become partially or completely blocked causing waterlogging of the drainage layer.

5 Practicability of installation

Installation is designed to be carried out by installers who have been trained and approved by the Certificate holder.

6 Weathertightness



6.1 The membrane, including joints, when completely sealed and consolidated, will adequately resist the passage of moisture into the building and enable a roof to comply with the requirements of the national Building Regulations.

6.2 The membranes are impervious to water and will achieve a weathertight roof capable of accepting minor structural movement.

7 Properties in relation to fire



7.1 In the opinion of the BBA, the membrane, when used in irrigated roof gardens or green roofs, will be unrestricted under the national Building Regulations.

7.2 The membranes, when used in protected specifications, including an organic covering listed in the Annex of Commission Decision 2000/553/EC, can also be considered to be unrestricted.

7.3 The designation of other specifications should be confirmed by:

England and Wales — test or assessment in accordance with Approved Document B, Appendix A, clause 1

Scotland — test to conform to Mandatory Standard 2.8, clause 2.8.1

Northern Ireland — test or assessment by a UKAS-accredited laboratory, or an independent consultant with appropriate experience.

7.4 If allowed to dry, the plants used may allow flame spread across a roof, and this must be taken into consideration when selecting the plants for a roof garden. Appropriate planting, irrigation and/or protection should be applied to ensure the overall fire-rating of the roof is not compromised by their use.

8 Resistance to wind uplift

8.1 The membrane, when used with a suitable roof garden or green roof specification, will adequately resist the effects of wind uplift likely to occur in practice.

8.2 The soil used in roof gardens should not be of a type that will be removed, or become localised, owing to wind scour experienced on site.

8.3 It should be recognised that the type of plants used could significantly affect the expected wind loads experienced in service.

9 Resistance to foot traffic

9.1 The membrane can accept the limited foot traffic and light concentrated loads associated with installation and maintenance. Reasonable care should be taken, however, to avoid sharp objects or concentrated loads. Where regular traffic is envisaged, such as for maintenance of lift equipment, a walkway should be provided using concrete slabs supported on bearing pads.

9.2 Once a green roof or roof garden is installed it can be regarded as a suitable protection for the membrane in use.

10 Resistance to penetration by roots

Tests indicate that the membrane will adequately resist penetration by plant roots.

11 Maintenance



11.1 Roofs should be inspected bi-annually, in autumn after leaf fall and in spring, to ensure that vegetation and other debris are cleared from the roof and drainage outlets are cleared. Guidance is available within *The GRO Green Roof Code — Green Roof Code of Best Practice for the UK*.

11.2 It is imperative that the drainage system of the green roof or roof garden is designed correctly, and provision is made for access for maintenance purposes. Inspection of the drains should be carried out regularly to avoid waterlogging of the garden and the subsequent increase in dead weight load.

12 Durability



12.1 Under normal conditions, the membranes will have a service life in excess of 30 years.

12.2 It is possible that, over time, some localised loss of the mineral surfacing of the membrane may occur at exposed areas of complex detailing.

Installation

13 General

13.1 Installation of Sopralene Flam Garden 250 AF and detailing is carried out in accordance with the Certificate holder's instructions and the relevant clauses of BS 8000-0 : 2014, BS 8000-4 : 1989 and BS 8217 : 2005.

13.2 Deck surfaces must be dry, clean and free from sharp projections such as nail heads and concrete nibs. When used over a rough substrate, a suitable protection layer must be placed over the substrate.

13.3 The membranes may be laid in conditions normal to roofing work and must not be laid in rain, snow or heavy fog, nor if the temperature falls below 5°C, unless precautions against condensation have been taken.

13.4 The membrane has a mineral surface finish and, when used exposed on areas with limited access, does not require further surface protection.

13.5 The roof layers must always be installed with staggered overlaps and in such a manner that no counter-seams in the direction of outlets are made.

13.6 Details are formed in accordance with the Certificate holder's instructions.

13.7 Soil or other bulk material must not be stored on one area of the roof, to ensure that localised overloading does not occur.

14 Procedure

Fully bonded applications

14.1 Bonding is achieved by melting the lower surface, by torching and pressing the membrane down. Care must be taken not to overheat the coating.

14.2 Side laps should be a minimum of 70 mm and edge laps 100 mm. A bead of molten material must exude from all laps to indicate a satisfactory seal.

14.3 A second layer of waterproofing is then fully torch bonded directly on to the first layer. The laps should be offset by at least 300 mm in relation to the joints in the first layer.

Partially bonded applications

14.4 A layer of Sopralene Flam Venti 250 TF, Ventiglass SBS 3 TF or Ventirock SBS 3 TF is partially torch welded onto the substrate. Alternatively, Soprastick Venti FF is partially bonded to the substrate.

14.5 Side laps should be a minimum of 70 mm and edge laps 100 mm. A bead of molten material must exude from all laps to indicate a satisfactory seal.

14.6 A second layer of waterproofing is then fully torch bonded directly on to the first layer. The laps should be offset by at least 300 mm in relation to the joints in the first layer.

Loose-laid and ballasted

14.7 A separating layer is loose-laid over the substrate, with free overlapping joints of at least 100 mm, and fully secured around the perimeter and upstands for a minimum of 450 mm.

14.8 A first layer of waterproofing is loose-laid. Side laps should be a minimum of 70 mm and edge laps 100 mm. A bead of molten material must exude from all laps to indicate a satisfactory seal.

14.9 The second layer of waterproofing is fully torch bonded directly on to the first layer. The lap should be offset as described in section 14.3.

14.10 A minimum 50 mm depth of aggregate should be loaded onto the roof covering. Where roofs are likely to be subjected to uncontrolled pedestrian traffic, a concrete tile finish should be used.

14.11 Where concrete tiles are used, the waterproof system is first covered by a layer of sand into which the tiles are set. A separating layer may be used in place of the sand.

15 Repair

In the event of damage the sheets can be effectively repaired, after cleaning, with pieces of the membrane torch welded to the damaged area.

Technical Investigations

16 Tests

16.1 Tests were carried out and the results assessed to determine:

- tensile strength and elongation
- nail tear strength
- low temperature flexibility
- flow at elevated temperatures
- resistance to static loading
- resistance to impact
- shear resistance of joints
- peel resistance of joints
- watertightness.

16.2 Testing on joints was carried out on membranes using the same coating mass as Sopralene Flam Garden 250 AF to determine:

- resistance to root penetration
- tensile strength of joints (control, after heat ageing and after 180 day at 60°C water exposure)
- peel resistance of joints (control and after 180 day at 60°C water exposure)
- resistance to air leakage at joints (control and after 180 day at 60°C water exposure).

17 Investigations

17.1 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.

17.2 Data provided by CSTB resulting in Avis Technique 5/11-2198 was evaluated in context of UK roofing practice and building regulations.

Bibliography

BS 8000-0 : 2014 *Workmanship on construction sites — Introduction and general principles*

BS 8000-4 : 1989 *Workmanship on building sites — Code of practice for waterproofing*

BS 8217 : 2005 *Reinforced bitumen membranes for roofing — Code of practice*

BS EN 1991-1-1 : 2002 *Eurocode 1 — Actions on structures — General actions — Densities, self-weight, imposed loads for buildings*

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

BS EN 1991-1-3 : 2003 + A1 : 2015 *Eurocode 1 — Actions on structures — General actions — Snow loads*

NA + A1 : 15 to BS EN 1991-1-3 : 2003 + A1 : 2015 UK National Annex to *Eurocode 1 — Actions on structures — General actions — Snow loads*

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

NA to 6229BS EN 1991-1-4 : 2005 + A1 : 2010 UK National Annex to *Eurocode 1 — Actions on structures — General actions — Wind actions*

EN 13707 : 2013 *Flexible sheets for waterproofing — Reinforced bitumen sheets for roof waterproofing — Definitions and characteristics*

EN ISO 9001 : 2008 *Quality management systems — Requirements*

EN ISO 14001 : 2004 *Environmental management systems — Requirements with guidance for use*

18 Conditions

18.1 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 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.

18.2 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.

18.3 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.

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

18.5 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.

18.6 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.