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**Agrément Certificate**

**14/5152**

Product Sheet 2

## BAUDER COLD APPLIED LIQUID WATERPROOFING AND SURFACING SYSTEMS

### BAUDER LIQUITEC BALCONY, WALKWAY AND TERRACE SYSTEMS

This Agrément Certificate Product Sheet<sup>(1)</sup> relates to the Bauder LiquiTEC Balcony, Walkway and Terrace Systems, a range of cold applied liquid systems for use as waterproofing and surfacing for walkways, balconies and terraces, including inverted roof, green roof, brown roof, roof garden and protected zero fall roof 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 system will resist the passage of moisture to the interior of a building (see section 6).

**Properties in relation to fire** — the system can contribute to a roof being unrestricted under the Building Regulations (see section 7).

**Resistance to wind uplift** — the adhesion of the system is sufficient to resist the effects of any likely wind suction and the effects of thermal or other minor movement likely to occur in practice (see section 8).

**Resistance to mechanical damage** — the systems will accept the traffic loads and effects of thermal and other minor movement likely to occur in practice (see section 9).

**Resistance to penetration by roots** — the systems will resist penetration by plant roots and rhizomes (see section 10).

**Durability** — under normal service conditions the systems will have a service life of at least 15 years (see section 12).



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 Second issue: 29 April 2021

Originally certificated on 08 September 2014

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, Bauder LiquiTEC Balcony, Walkway and Terrace Systems, 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>
<b>Requirement:</b>	<b>B4(2)</b>	<b>External fire spread</b>
<b>Comment:</b>		Use of the systems can contribute to a structure being unrestricted under this Requirement. See section 7.1 and 7.4 of this Certificate.
<b>Requirement:</b>	<b>C2(b)</b>	<b>Resistance to moisture</b>
<b>Comment:</b>		The systems can satisfy this Requirement. See section 6 of this Certificate.
<b>Regulation</b>	<b>7(1)</b>	<b>Materials and workmanship</b>
<b>Comment:</b>		The systems are acceptable. See the 12.1 and the <i>Installation</i> part 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>
<b>Comment:</b>		The use of systems comprises acceptable materials and satisfy the requirements of this Regulation. See sections 11.1 and 12 and the <i>Installation</i> part of this Certificate.
<b>Regulation:</b>	<b>9</b>	<b>Building standards applicable to construction</b>
<b>Standard:</b>	<b>2.8</b>	<b>Spread from neighbouring buildings</b>
<b>Comment:</b>		The systems, when applied to a suitable substructure can be regarded as having a low vulnerability under clause 2.8.1 <sup>(1)(2)</sup> of this Standard. See section 7.1 to 7.3 of this Certificate.
<b>Standard:</b>	<b>3.10</b>	<b>Precipitation</b>
<b>Comment:</b>		The systems will enable a structure to satisfy the requirements of this Standard, with reference to clauses 3.10.1 <sup>(1)(2)</sup> and 3.10.7 <sup>(1)(2)</sup> . See section 6 of this Certificate.
<b>Standard:</b>	<b>7.1(a)</b>	<b>Statement of sustainability</b>
<b>Comment:</b>		The systems can contribute to meeting the relevant requirements of Regulation 9, Standards 1 to 6 and therefore will contribute to 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>
<b>Comment:</b>		All comments given for these systems 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)(b)(i)</b>	<b>Fitness of materials and workmanship</b>
<b>Comment:</b>		The systems are acceptable materials. See section 12 and the <i>Installation</i> part of this Certificate.
<b>Regulation:</b>	<b>28(b)</b>	<b>Resistance to moisture and weather</b>
<b>Comment:</b>		The systems can enable a structure to satisfy the requirements of this Regulation. See section 6 of this Certificate.

**Regulation: 36(b)**

Comment:

**External fire spread**

On suitable substructures the use of the systems can contribute to a structure being unrestricted under 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: 3 *Delivery and site handling* and 13 *Precautions* (12.12 to 12.14) of this Certificate.

**Additional Information****NHBC Standards 2021**

NHBC accepts the use of the Bauder LiquiTEC Balcony, Walkway and Terrace Systems, provided they are installed, used and maintained in accordance with this Certificate, in relation to *NHBC Standards, Part 7 Roofs, Chapters 7.1 Flat roofs and balconies*.

The NHBC Standards do not cover the use of the system in the refurbishment of existing roofs.

**Technical Specification****1 Description**

1.1 Bauder LiquiTEC Balcony, Walkway and Terrace Systems are reinforced waterproofing and surfacing systems comprising a waterproofing membrane, wearing course and finish based on liquid-applied polymethylmethacrylate resins.

1.2 Details of individual components used in the systems are:

- Bauder LiquiPRIME 1 — a resin for priming asphalt
- Bauder LiquiPRIME 2 — a resin for priming cementitious materials, brickwork and timber
- Bauder LiquiPASTE — a resin for repairing cracks and holes in the substrate
- Bauder PMMA Cleaner — used for cleaning metal and plastic substrates, cleaning tools, and re-activating previously-applied resin
- Bauder LiquiDETAIL — for use in waterproofing upstands and details
- Bauder LiquiFIBRE — a resin for use in waterproofing awkward shapes and areas where access is restricted
- Bauder LiquiBALKON — a resin for use in waterproofing main flat areas, when a reinforced system is specified
- Bauder 110 g reinforcement fleece — a polyester reinforcement fleece with a nominal mass per unit area of 110 g·m<sup>-2</sup> for use with LiquiBALKON and LiquiDETAIL, available in 50 m long rolls of various widths
- Bauder LiquiPAVE — a trowel-applied, thick-layer product, comprising Bauder LiquiPAVE R resin and Bauder LiquiPAVE F powder, to provide a bedding layer for the Bauder quartz. Not to be used where the structure is timber
- Catalyst — a powder to be added to resins prior to application, to trigger the curing process.
- Bauder Quartz — to be broadcast into the LiquiPAVE to provide a heavy-duty wearing layer
- Bauder LiquiFINISH — a finish coat resin, used to provide the finished colour and a seal coat over the Bauder Quartz. Available in Blue Grey (RAL 7031), Traffic Grey (RAL 7043) and Stone Grey (RAL 7030)
- Bauder Liquid Thixo — a thixotropic agent for use as an additive to Bauder LiquiPRIME and LiquiFINISH when treating upstands over 250 mm high.

1.3 Other items which may be used with the systems, but which are outside the scope of this Certificate, are:

- primers for use on damp concrete surfaces
- primers and pre-treatments for open textured and porous cementitious substrates
- anti-corrosion and etch primers for metals

- compounds for small and large scale filling, levelling and repair
- fibre reinforced detailing resin for complex, less critical and difficult-to-access details.

Details of suitable products/specifications may be obtained from the Certificate holder.

## 2 Manufacture

2.1 The system components are manufactured by batch processes.

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 the manufacturer has been assessed and registered as meeting the requirements of BS EN ISO 9001 : 2015.

## 3 Delivery and site handling

3.1 The components of the system are delivered to site in packs consisting of liquid base resin and powder catalyst components. The packs bear a label that includes the component's name, health and safety information, and batch number. The components are available in the pack sizes detailed in Table 1.

*Table 1 Pack sizes*

Component	Pack sizes
Bauder LiquiBALKON	10 kg
Bauder LiquiDETAIL	10 kg
Bauder LiquiPAVE R	10 kg
Bauder LiquiPAVE F	23 kg
Bauder LiquiFINISH	10 kg
Catalyst	100 g, 1 kg (bags), 25 kg (box)
Bauder LiquiPRIME 2	10 kg
Bauder LiquiPRIME 1	10 kg
Bauder PMMA Cleaner	9 litre
Bauder 110g reinforcement fleece	50 m long (rolls)

3.2 The system components must be stored in a cool, dry location and protected from freezing temperatures and direct sunlight. When stored in accordance with the manufacturer's instructions they will have a shelf-life of at least six months. Rolls of Bauder 110 g reinforcement fleece must be stored flat in a dry, clean environment and protected from moisture. Catalyst must be stored at a temperature below 30°C in closed containers, away from sources of ignition and protected from direct sunlight. Contamination and heat can cause the catalyst to decompose rapidly and create a hazard.

3.3 The system components are classified under *The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (CHIP4)/Classification, Labelling and Packaging of Substances and Mixtures (CLP Regulation) 2009*. These components bear the appropriate hazard warning.

## Assessment and Technical Investigations

The following is a summary of the assessment and technical investigations carried out on the Bauder LiquiTEC Balcony, Walkway and Terrace Systems.

### Design Considerations

#### 4 General

4.1 The Bauder LiquiTEC Balcony, Walkway and Terrace Systems, when applied to a concrete or asphalt surface of a concrete deck designed in accordance with BS EN 1992-1-1 : 2004 and its UK National Annex or equivalent, are satisfactory for use as a combined waterproof/wearing surface for:

- walkways
- balconies
- terraces, including inverted roof, green roof, brown roof, roof garden and protected zero fall.

4.2 Decks to which the system is to be applied must comply with the relevant requirements of BS 6229 : 2018 and, where appropriate, NHBC Standards 2021, Chapter 7.1.

4.3 The following terms are defined for the purpose of this Certificate as:

- roof garden (intensive) — a roof with a substantial layer of growing medium with planting that can include shrubs and trees, generally accessible to pedestrians
- green roof (extensive) — a roof with a shallow layer of growing medium planted with low-maintenance plants such as mosses, sedums, grasses and some wild flower species
- brown roof — a roof with a growing medium selected to allow indigenous plant species to inhabit the roof over time; no deliberate planting is undertaken.

4.4 For the purpose of this Certificate the systems have a minimum finished fall of 1:80<sup>(1)</sup>.

(1) NHBC Standards 2021 require a minimum fall of 1:60 for green roofs and roof gardens.

4.5 Zero fall roofs are defined for the purpose of this Certificate as those having a finished fall which can vary between 0 and 1:80<sup>(1)</sup>. Reference should also be made to appropriate clauses in Liquid Roofing and Waterproofing Association (LRWA) Note 7 – Specifier Guidance for Flat Roof Falls.

(1) NHBC Standards 2019 require a minimum fall of 1:60 for green roofs and roof gardens

4.6 For design purposes, twice the minimum finished fall should be assumed, unless a detailed analysis of the area is available, including overall and local deflection, direction of falls, etc.

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 and BS EN 1991-1-4 : 2005, and their UK National Annexes.

4.8 Recommendations for the design of green roof, brown roof 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 The drainage systems for inverted roof, zero fall roof, green roof, brown roof or roof garden specifications must be correctly designed, and the following points should be addressed:

- provision made for access for maintenance purposes
- for zero fall roofs, it is particularly important to identify the correct drainage points, to ensure that drainage is sufficient and effective
- dead loads for green roof, brown roofs and roof gardens can increase if the drains become partially or completely blocked causing waterlogging of the drainage layer
- additional guidance for inverted roof specifications is given in BBA Information Bulletin No 4 Inverted roofs – Drainage and U value corrections.

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

- suitable for inverted roof specification use
- as described in the relevant clauses of BS 6229 : 2018, or
- the subject of a current BBA Certificate and used in accordance with the scope of that Certificate.

## 5 Practicability of installation

The system should only be installed by installers who have been trained and approved by the Certificate holder.

## 6 Weathertightness



The systems will resist the passage of moisture to the interior of a structure and can accommodate any movement due to cracking permitted by BS EN 1992-1-1 : 2004 and its UK National Annex, without leakage and so enable a structure to satisfy the requirements of the national Building Regulations.

## 7 Properties in relation to fire



7.1 When tested to DD CEN/TS 1187 : 2012, Test 4, a composite build-up comprising 19 mm thick plywood primed with a synthetic rubber resin, 120 mm thick PIR Insulation board bonded to a vapour control membrane with a two-component PUR adhesive, a 0.6 mm thick bitumen carrier membrane, the Bauder LiquiBALKON applied at a rate of  $3.1 \text{ kg}\cdot\text{m}^{-2}$ , including Bauder 110 g Reinforcement fleece, was classified in accordance with BS EN 13501-5 : 2005 as European Class B<sub>ROOF(t4)</sub>.

7.2 In the opinion of the BBA, a roof incorporating the system will be unrestricted under the national Building Regulations in the following circumstances:

- Protected or inverted roof specifications, including an inorganic covering listed in the Annex of Commission Decision 2000/553/EC,
- a roof garden covered with a drainage layer of gravel 100 mm thick and a soil layer 300 mm thick,
- irrigated roof gardens, green roofs and brown roofs.

7.3 The designation of other specifications should be confirmed by reference to the requirements of the documents supporting the national Building Regulations.



7.4 When classified in accordance to EN 13501-1 2007 Bauder LiquiTEC Balcony, Walkway and Terrace Systems achieved a rating of Euroclass E.

7.5 If allowed to dry, plants used may allow the spread of flame across the roof. This must be taken into consideration when selecting suitable plants for the roof. Appropriate planting, irrigation and/or protection must be applied to ensure the overall fire-rating of the roof is not compromised.

## 8 Resistance to wind uplift

8.1 The adhesion of the systems to concrete and asphalt substrates is sufficient to resist the effects of any wind suction, elevated temperature, thermal shock or structural movement likely to occur in practice. Acceptable adhesion to other substrates must be confirmed by test.

8.2 The soil used in intensive planting should not be of a type that will be removed, or become localised, owing to wind scour on the 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 mechanical damage

9.1 The systems can accept, without damage, the foot traffic likely to occur in practice. Where continuous heavy point loading is envisaged additional protection should be considered. The Certificate holder must be consulted for advice.

9.2 Where the system has to bridge construction or movement joints the Certificate holder must be consulted for approved detail specifications.

9.3 Results of testing for dynamic and static indentation are given in Table 2.

Test	Results	Method
Dynamic Indentation		EOTA TR 006
PU foam	I <sub>4</sub>	
Concrete	I <sub>4</sub>	
Steel	I <sub>4</sub>	
Static Indentation		EOTA TR 007
PU foam	L <sub>4</sub>	
Concrete	L <sub>4</sub>	
Steel	L <sub>4</sub>	

## 10 Resistance to penetration by roots

The system will resist penetration by plant roots and rhizomes and can be used as a waterproofing system in green roof and roof garden specifications.

## 11 Maintenance



11.1 Installations of the systems must be subject to a planned maintenance programme to ensure that accumulated debris is cleared and drainage outlets are kept clear, and to check for contamination and damage to the system, eg loss of protective finish and/or colour fade.

11.2 Green roofs, brown roofs and roof gardens must be the subject of regular inspections, particularly in autumn after leaf fall and in spring, to ensure unwanted vegetation and other debris are cleared from the roof and drainage outlets (see section 4.9). Guidance is available within the latest edition of The GRO Green Roof Code - Green Roof Code of Best Practice for the UK.

11.3 Washing of the systems may be carried out using water and a mild detergent. Strong alkalis, acids or bleach must not be used. The Certificate holder must be consulted for advice on suitable cleaning products.

11.4 Damaged areas must be repaired, at the earliest opportunity, in accordance with clauses section 15 and the Certificate holder's instructions.

## 12 Durability



12.1 Accelerated weathering tests and evidence from existing installations confirm that satisfactory retention of physical properties is achieved. All available evidence indicates that under normal conditions the system will have service life in excess of 15 years.

12.2 Some colour change to the finish coat may be expected when exposed to UV radiation. The degree of colour change likely to occur will depend on the colour. The Certificate holder should be consulted for more information.

### 13 General

13.1 Installation of the Bauder LiquiTEC Balcony, Walkway and Terrace Systems must be in accordance with the Certificate holder's instructions and this Certificate.

13.2 Concrete structures must be designed and built in accordance with the BS EN 1992-1-1 : 2004 and its UK National Annex.

13.3 New concrete should be well compacted and finished to a dense, smooth finish without excess laitance, and allowed to cure for a minimum period of 28 days.

13.4 Concrete surfaces must have a minimum compressive strength of  $25 \text{ N}\cdot\text{mm}^{-2}$  and be mechanically prepared eg using enclosed shot blasting, to be free from laitance and other contamination. All residues must be removed by vacuuming.

13.5 Installation must not be carried out during inclement weather, eg rain, fog or snow, and the ambient air and substrate temperature must be between  $0^{\circ}\text{C}$  and  $35^{\circ}\text{C}$  and at least  $3^{\circ}\text{C}$  above the dew point.

13.6 Substrates to which the system is to be applied must be sound, clean, frost free, dry and free from sharp projections. The Certificate holder's advice must be sought with regard to the suitability of the substrate to receive the system, suitable cleaning procedures and the use of a proprietary surface cleaner/fungicidal wash where required.

13.7 Previously coated areas must be checked for integrity and adequate adhesion to the substrate. Defects such as cracks, blisters and indentations must be repaired prior to application of the system in accordance with the Certificate holder's instructions. The Certificate holder must be consulted for suitable repair products.

13.8 Concrete and asphalt surfaces must be primed with Bauder LiquiPRIME 2 and Bauder LiquiPRIME 1 respectively.

13.9 Adhesion checks must be carried out to ensure that the system is compatible with the existing surfaces. The Certificate holder must be consulted for details of suitable test methods and requirements.

13.10 Detailing, such as at upstands, must be carried out using Bauder LiquiDETAIL in accordance with the Certificate holder's instructions. Where use of Bauder LiquiDETAIL is not practicable owing to the complexity of a detail, eg at active joints, the Certificate holder must be consulted for an alternative solution.

13.11 All equipment must be cleaned with Bauder PMMA Cleaner.

### 14 Procedure

#### *Waterproofing layer*

14.1 The Bauder LiquiBALKON base component is thoroughly mixed using a slow speed agitator fitted with a suitable mixing paddle. The required quantity of catalyst is added, and stirring is continued until the mixture is lump-free, and in any event for at least two minutes. The amount of catalyst required will depend on the ambient temperature, and the manufacturer's technical data sheet/product label must be consulted for the required amount.

14.2 A layer of the mixed Bauder LiquiBALKON is applied with a lambswool roller to the clean, prepared and, if required, primed substrate at a minimum application rate of  $2.0 \text{ kg}\cdot\text{m}^{-2}$ .

14.3 Bauder 110 g reinforcement fleece is rolled and embedded into the wet coating, avoiding creasing and trapped air. Adjacent lengths of the reinforcement must overlap by a minimum of 50 mm (100 mm if left over 12 hours), ensuring that there is sufficient coating to fully encapsulate it. Additional coating is applied if required.

14.4 A second coat of mixed Bauder LiquiBALKON resin is applied, wet on wet, by roller at a minimum application rate of  $1.0 \text{ kg}\cdot\text{m}^{-2}$ .



## ***Wearing / finish Layer***

14.5 A number of options are available for the build-up of the wearing/finish layer, depending on the specified system and the end use. The Certificate holder must be consulted for specifications relating to the options under the various systems.

14.6 At each stage the system should be checked to ensure that the system has been applied to the minimum consumption. If a localised area has been applied below the minimum consumption, the affected area should be removed and reinstated to specification.

14.7 If work is interrupted for periods in excess of 12 hours, the cured membrane must be reactivated by wiping with Bauder PMMA Cleaner. Overcoating must proceed within 60 minutes, otherwise the process must be repeated.

## **15 Repair**

15.1 Areas of damaged system must be cut back to sound, well-adhering material and cleaned with Bauder PMMA Cleaner.

15.2 After the cleaner has evaporated, the system is installed as described in the relevant clauses 12.15 to 12.21, ensuring that there is at least a 100 mm overlap over the existing sound material.

15.3 A check for adequate adhesion must be carried out once the repaired system is cured.

## **Technical Investigations**

## **16 Tests**

16.1 Tests were carried out by the BBA to determine:

- resistance to cracking
- resistance to fatigue
- resistance to abrasion
- slip resistance
- resistance to penetration by chloride ions.

16.2 Tests were conducted by independent laboratories on samples of the Bauder LiquiBALKON Roof Waterproofing coating to determine:

- water vapour permeability/water vapour diffusion resistance coefficient ( $\mu$ )
- tensile strength and elongation
- watertightness
- tensile bond strength
- resistance to fatigue
- crack bridging capability
- resistance to dynamic indentation
- resistance to static indentation
- resistance to low temperatures
- resistance to high temperatures
- effect of heat ageing
- effect of exposure to surface water
- effect of exposure to UV-A radiation
- resistance to penetration by roots/rhizomes.

## **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 on fire performance were assessed.

17.3 Existing installations were visited to provide additional evidence of the system's in-service durability

## Bibliography

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

EN 13501-5 : 2016 *Fire classification of construction products and building elements – Classification using data from external fire exposure to roofs tests*

BS EN 1992-1-1 : 2004 *Eurocode 2: Design of concrete structures – General rules and rules for buildings*  
NA to BS EN 1992-1-1 : 2004 UK National Annex to *Eurocode 2: Design of concrete structures – General rules and rules for buildings*

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

DD CEN/TS 1187 : 2012 *Test methods for external fire exposure to roofs*

BS 6229 : 2018 *Flat roofs with continuously supported flexible waterproof coverings – Code of practice*

### 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 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.

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.