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Agrément Certificate
20/5789
Product Sheet 2 Issue 2

BAUDER LIQUITOP LIQUID APPLIED ROOF WATERPROOFING SYSTEMS

BAUDER LIQUITOP 3COAT SYSTEM COLD APPLIED LIQUID ROOF WATERPROOFING

This Agrément Certificate Product Sheet(1) relates to the Bauder LiquiTOP 3COAT System Cold Applied Liquid Roof Waterproofing, for use on new and existing flat and pitched roofs with limited access and in blue roof systems in conjunction with a storm water attenuation system(2).

(1) Hereinafter referred to as 'Certificate'.

(2) The storm water attenuation system is outside the scope of this 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 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: 19 March 2025
Originally certified on 19 November 2020

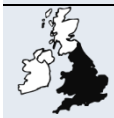
Hardy Giesler
Chief Executive Officer

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 the Bauder LiquiTOP 3COAT System Cold Applied Liquid Roof Waterproofing, 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:	**B4(1)**	**External fire spread**
Comment:		The system is restricted by this Requirement in some circumstances. See section 2 of this Certificate.
Requirement:	**B4(2)**	**External fire spread**
Comment:		On a suitable substructure, the system may enable a roof to be unrestricted by this Requirement. See section 2 of this Certificate.
Requirement:	**C2(b)**	**Resistance to moisture**
Comment:		The system, including joints, will enable a roof to satisfy this Requirement. See section 3 of this Certificate.
Regulation:	**7(1)**	**Materials and workmanship**
Comment:		The system is acceptable. See sections 8 and 9 of this Certificate.

The Building (Scotland) Regulations 2004 (as amended)

Regulation:	**8(1)(2)**	**Fitness and durability of materials and workmanship**
Comment:		The system is acceptable. See sections 8 and 9 of this Certificate.
Regulation:	**9**	**Building standards – construction**
Standard:	2.8	Spread from neighbouring buildings
Comment:		When applied to suitable substructures, the system may enable a roof to be unrestricted by this Standard, with reference to clause 2.8.1(1)(2). See section 2 of this Certificate.
Standard:	3.10	Precipitation
Comment:		The system, including joints, will enable a roof to satisfy this Standard, with reference to clauses 3.10.1(1)(2) and 3.10.7(1)(2). See section 3 of this Certificate.
Standard:	7.1(a)	Statement of sustainability
Comment:		The system 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 – conversion**
Comment:		All comments given for the system 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)(ii) (iii)(iv)(b)(i)**	**Fitness of materials and workmanship**
Comment:		The system is acceptable. See sections 8 and 9 of this Certificate.
Regulation:	**28(b)**	**Resistance to moisture and weather**
Comment:		The system, including joints, will enable a roof to satisfy of this Regulation. See section 3 of this Certificate.
Regulation	**36(a)**	**External fire spread**
Comment:		The system is restricted by this Regulation in some circumstances. See section 2 of this Certificate.
Regulation	**36(b)**	**External fire spread**
Comment:		On suitable substructures, the system may enable a roof to be unrestricted under this Regulation. See section 2 of this Certificate.

Additional Information

NHBC Standards 2025

In the opinion of the BBA, the Bauder LiquiTOP 3COAT System Cold Applied Liquid Roof Waterproofing, 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, terraces and balconies*.

In addition, in the opinion of the BBA, the system when installed and used in accordance with this Certificate can satisfy or contribute to satisfying the relevant requirements in relation to *NHBC Standards for Conversions and Renovations*, taking account of other relevant guidance within the chapter and the suitability of the substrate to receive the system.

The *NHBC Standards* do not cover the refurbishment of existing roofs.

Fulfilment of Requirements

The BBA has judged the Bauder LiquiTOP 3COAT System Cold Applied Liquid Roof Waterproofing to be satisfactory for use as a roof waterproofing on new and existing flat and pitched roofs with limited access, and in blue roof systems in flat and zero-fall roofs in conjunction with a storm water attenuation system(1).

(1) The storm water attenuation system is outside the scope of this Certificate.

ASSESSMENT

Product description and intended use

The Certificate holder provided the following description for the system under assessment. The Bauder LiquiTOP 3COAT System Cold Applied Liquid Roof Waterproofing consists of:

- Bauder LiquiTop PU Mist Grey and Bauder LiquiTOP PU Dark Grey — a single-part (moisture triggered) polyurethane
- Bauder LiquiTOP Glass Fibre Mat — for use as system reinforcement
- Bauder LiquiTOP General Purpose Primer — a one-part primer, for preparing exposed bitumen roofing membranes and porous asphalt, cementitious and timber substrates where required
- Bauder LiquiTOP PVC Primer — a one-part primer, for preparing PVC single-ply membranes, prior to application of the embedment coat
- Bauder LiquiTOP Epoxy Primer — a two-part primer for preparing metal substrates
- Bauder LiquiTOP Reactivation Primer — for preparing Bauder LiquiTOP PU left for more than five days and aged areas under repair, prior to the application of new coats.

The system has the nominal characteristics given in Table 1.

Table 1 Physical characteristics of Bauder LiquiTOP 3COAT System Cold Applied Liquid Roof Waterproofing

Physical characteristics	Bauder LiquiTop PU	General Purpose Primer	PVC Primer	Epoxy Primer Part A/B	Reactivation Primer
Colour	Mist grey or dark grey	Brown	Clear	Beige	Clear
Cure/drying time at 20°C	6 to 12 hours	60 to 120 minutes	20 to 60 minutes	2 to 4 hours	4 hours approximately

Applications

The system is intended for use on the following substrates:

- concrete
- asphalt
- bituminous roofing membranes (including mineral surfaced)
- steel
- PVC membranes
- existing polyurethane coatings
- plywood, in conjunction with a specified carrier membrane
- polyisocyanurate (PIR) foam insulation boards, in conjunction with a carrier membrane
- mineral wool (MW) insulation boards, in conjunction with a carrier membrane.

Definitions for products and applications inspected

- limited access roof – a roof subjected only to pedestrian traffic for maintenance of the roof covering, cleaning of gutters, etc
- flat roof – a roof having a minimum finished fall of 1:80
- pitched roof – a roof having a fall in excess of 1:6
- zero fall roof – a roof having a minimum finished fall between 0 and 1:80
- blue roof – a flat roof designed to allow controlled attenuation of rain fall during heavy and storm events, as part of sustainable urban drainage systems (SUDS).

Product assessment – key factors

The system was assessed for the following key factors, and the outcome of the assessment is shown below. Conclusions relating to the Building Regulations apply to the whole of the UK unless otherwise stated.

1 Mechanical resistance and stability

Not applicable.

2 Safety in case of fire

Data were assessed for the following characteristics.

2.1 External fire spread

2.1.1 When tested to DD CEN/TS 1187 : 2012, Test 4 and classified to BS EN 13501-5 : 2016, the constructions given in Table 2 of this Certificate achieved $B_{ROOF}(t4)$.

Table 2 External fire spread tests

Construction	**1**	**2**	**3**	**4**	**5**
Test orientation	Flat	Sloped	Sloped	Flat	Flat
Substrate(1)	An 18 mm thick orientated strand board (OSB)				
Primer(1)	N/A	N/A	Spray applied		N/A
AVCL(1)	N/A	N/A	0.6 mm thick self-adhesive		N/A
Insulation(1)	N/A	N/A	60 mm PIR	240 mm PIR	N/A
Primer(1)	Spray applied				
Carrier membrane(1)	0.6 mm thick self-adhesive				
Basecoat	A layer of Bauder LiquiTop PU applied at 1.0 l·m^{-2} (1.5 kg·m^{-2})				
Reinforcement	225 g·m^{-2} Bauder LiquiTOP glass fibre mat embedded				
Topcoat	Two layers of Bauder LiquiTop PU applied at 0.75 l·m^{-2} (1.125 kg·m^{-2} per layer)				

Table 2 External fire spread tests (continued)

Construction	**6**	**7**	**8**	**9**
Test orientation	Flat	Flat	Flat	Flat
Substrate(1)	An 18 mm thick orientated strand board (OSB)			
Primer(1)	Spray applied			
AVCL(1)	0.6 mm thick self-adhesive			
Insulation(1)	25 mm PIR	30 mm MW	550 mm PIR	565 mm MW
Primer(1)	Spray applied			
Carrier membrane(1)	0.6 mm thick self-adhesive			
Basecoat	A layer of Bauder LiquiTop PU applied at 1.0 l·m^{-2} (1.5 kg·m^{-2})			
Reinforcement	225 g·m^{-2} Bauder LiquiTOP glass fibre mat embedded			
Topcoat	Two layers of Bauder LiquiTop PU applied at 0.75 l·m^{-2} (1.125 kg·m^{-2} per layer)			

Flat roofs – the test is applicable to systems applied to roofs of pitches between 0 and 10°
Sloped roofs – the test is applicable to systems applied to roofs of pitches between 10 and 70°
PIR: polyisocyanurate insulation board
MW: mineral wool insulation

(1) Outside the scope of this Certificate.

2.1.2 On the basis of data assessed, the constructions listed in Table 2 of this Certificate will be unrestricted by the documents supporting the national Building Regulations with respect to proximity to a relevant boundary. Restrictions, of the deck used, may apply at junctions with compartment walls.

2.1.3 A blue roof incorporating the system will be unrestricted under the national Building Regulations when used in conjunction with an inorganic covering listed in the Annex of Commission Decision 2000/553/EC.

2.1.4 The classification and permissible areas of use of other specifications must be confirmed by reference to the requirements of the documents supporting the national Building Regulations.

2.2 Reaction to fire

2.2.1 The Certificate holder has not declared a reaction to fire classification for the Bauder LiquiTOP 3COAT System Cold Applied Liquid Roof Waterproofing.

2.2.2 On the basis of data assessed, the system will be restricted in use under the documents supporting the national Building Regulations in some cases.

2.2.3 In England, the system, when used for roof pitches greater than 70°, excluding upstands, must not be used less than 1 m from a relevant boundary, or on residential buildings more than 11 m in height, or on other buildings more than 18 m in height. These constructions must also be included in calculations of unprotected area.

2.2.4 In Wales, the system, when used for roof pitches greater than 70°, excluding upstands, must not be used less than 1 m from a relevant boundary, or on other buildings more than 18 m in height. These constructions must also be included in calculations of unprotected area.

2.2.5 In Northern Ireland, for systems used in pitches greater than 70°, excluding upstands, that do not achieve the minimum Class E reaction to fire classification to BS EN 13501-1 : 2018, designers must seek guidance on the proposed use of the system from the relevant Building Control Body.

2.2.6 In Scotland, the use of the systems is unrestricted with respect to building height and proximity to a relevant boundary. However, restrictions on the overall construction may apply, depending on the reaction to fire classification achieved by the complete system, which must be established on a case-by -case basis.

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 3.

Table 3 Results of weathertightness tests

System assessed	Assessment method	Requirement	Result
Bauder LiquiTOP 3COAT System Cold Applied Liquid Roof Waterproofing	Watertightness to EOTA TR-003 : 2004	No leakage	Pass
Bauder LiquiTOP 3COAT System Cold Applied Liquid Roof Waterproofing	Watertightness under 60 kPa pressure to EN 1928 : 2000 for 24 h	No leakage	Pass
Bauder LiquiTOP 3COAT System Cold Applied Liquid Roof Waterproofing	Delamination strength to EOTA TR-004 : 2004		
- on concrete		≥50 kPa	Pass
- on asphalt		≥50 kPa	Pass
- on bituminous membrane		≥50 kPa	Pass
- on plywood		≥50 kPa	Pass
- on PVC membrane		≥50 kPa	Pass
- on steel		≥50 kPa	Pass
- on carrier membrane on PIR insulation		≥50 kPa	Pass
- day joint		≥50 kPa	Pass

3.1.2 On the basis of data assessed, the system will adequately resist the passage of moisture to the interior of a building and enable a roof to comply with the requirements of the national Building Regulations.

3.1.3 The adhesion of the bonded system is sufficient to resist the effects of wind suction, elevated temperature and thermal shock conditions likely to occur in practice and remain weathertight.

3.2 Resistance to mechanical damage

3.2.1 Results of resistance to mechanical damage tests are given in Table 4.

Table 4 Results of resistance to mechanical damage tests

System assessed	Assessment method	Requirement	Result
Bauder LiquiTOP 3COAT System Cold Applied Liquid Roof Waterproofing	Tensile strength to BS EN 527-1 : 2012 and BS EN 527-3 : 2018 (material non-directional)	Value achieved	1677 N·(50 mm)$^{-1}$
Bauder LiquiTOP 3COAT System Cold Applied Liquid Roof Waterproofing	Elongation properties to BS EN 527-1 : 2012 and BS EN 527-3 : 2018 (material non-directional)	Value achieved	2.9%
Bauder LiquiTOP 3COAT System Cold Applied Liquid Roof Waterproofing	Dynamic indentation to EOTA TR-006 : 2004	Value achieved	
on steel	tested at 20°C		I_4
	tested at -20°C		I_4
on PIR insulation on carrier membrane	tested at 20°C		I_2
Bauder LiquiTOP 3COAT System Cold Applied Liquid Roof Waterproofing	Static indentation to EOTA TR-007 : 2003	Value achieved	
on steel	tested at 23°C		L_4
	tested at 80°C		L_4
	after water exposure (at 60°C for 180 days)		
	tested at 23°C		L_4
	tested at 80°C		L_4
on PIR insulation on carrier membrane	tested at 23°C		L_4
Bauder LiquiTOP 3COAT System Cold Applied Liquid Roof Waterproofing	Fatigue movement to EOTA TR 008 : 2004 for 1000 cycles	Watertight and less than 75 mm delamination from substrate	Pass

3.2.2 On the basis of data assessed, the system can accept, without damage, the limited foot traffic and light concentrated loads associated with installation and maintenance. Reasonable care must be taken to avoid puncture by sharp objects or concentrated loads.

3.2.3 The system is capable of accepting minor structural movement while remaining weathertight. Where the system is installed over carrier membranes on insulation, the resistance to wind uplift is dependent on the cohesive strength of the insulation.

4 Safety and accessibility in use

Not applicable.

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 system were assessed.

8.2 Specific test data were assessed as given in Table 5.

Table 5 Results of durability tests

System assessed	Assessment method	Requirement	Result
Bauder LiquiTOP 3COAT System Cold Applied Liquid Roof Waterproofing	Tensile strength to BS EN ISO 527-1 : 2012 and BS EN ISO 527-3 : 2018	Value achieved	
	after UV ageing for 800 $MJ \cdot m^{-2}$		1638 $N \cdot (50\ mm)^{-1}$
	after heat ageing at 70°C for 200 days		1242 $N \cdot (50\ mm)^{-1}$
Bauder LiquiTOP 3COAT System Cold Applied Liquid Roof Waterproofing	Elongation properties to BS EN ISO 527-1 : 2012 and BS EN ISO 527-3 : 2018	Value achieved	
	after UV ageing for 800 $MJ \cdot m^{-2}$		2.6%
	after heat ageing at 70°C for 200 days		2.5%
Bauder LiquiTOP 3COAT System Cold Applied Liquid Roof Waterproofing on concrete	Delamination strength to EOTA TR004 : 2004 after water exposure for 60°C for 180 days	≥50kPa	Pass
Bauder LiquiTOP 3COAT System Cold Applied Liquid Roof Waterproofing on steel	Dynamic indentation to EOTA TR-006 : 2004	Value achieved	
	after UV ageing for 1000 $MJ \cdot m^{-2}$ tested at -10°C		I_4
	after heat ageing at 70°C for 200 days tested at -30°C		I_4
Bauder LiquiTOP 3COAT System Cold Applied Liquid Roof Waterproofing on steel	Static indentation to EOTA TR-007 : 2003 after water exposure for 60°C for 60 days	Value achieved	
	tested at 23°C		L_4
	tested at 80°C		L_4
Bauder LiquiTOP 3COAT System Cold Applied Liquid Roof Waterproofing	Fatigue movement to EOTA TR-008 : 2004 for 50 cycles after heat ageing at 70°C for 200 days	Watertight and less than 75 mm delamination from substrate	Pass

8.3 Service life

Under normal service conditions, the system will provide a durable waterproof covering with a service life in excess of 25 years, provided it is designed, installed and maintained in accordance with this Certificate and the Certificate holder's instructions.

PROCESS ASSESSMENT

Information provided by the Certificate holder was assessed for the following factors:

9 Design, installation, workmanship and maintenance

9.1 Design

9.1.1 The design process was assessed by the BBA, and the following requirements apply in order to satisfy the performance specified in this Certificate.

9.1.2 Decks to which the system is to be applied must comply with the relevant requirements of BS 6229 : 2018 and, where appropriate, *NHBC Standards* 2024, Chapter 7.1.

9.1.3 For design purposes or flat roofs, twice the minimum finished fall must be assumed unless a detailed structural analysis of the roof is available, including overall and local deflection, direction of falls, etc.

9.1.4 For blue applications, the substrate must be a suitably designed structural deck.

9.1.5 Structural decks to which the system is to be applied must be suitable to transmit the dead and imposed loads experienced in service. Allowance needs to be made for loading deflections to ensure that the free drainage of water is maintained.

9.1.6 Imposed loads, dead loads and wind loads must be calculated by a suitably experienced and competent individual 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.

9.1.7 The drainage systems for zero fall roofs must be correctly designed, and the following points must be addressed:

- for zero fall roofs, it is particularly important to identify the correct drainage points, to ensure that drainage is sufficient and effective.

9.1.8 Insulation materials used in conjunction with the membranes must be in accordance with the manufacturer's instructions and be either:

- as described in the relevant clauses of BS 6229 : 2018, or
- the subject of a current BBA Certificate and be used in accordance with, and within the scope of, that Certificate.

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.

9.2.3 All of the system components must be applied when the air and substrate temperatures are greater than 5°C. Special precautions may be necessary when temperatures exceed 30°C and advice must be obtained from the Certificate holder, but such advice is outside the scope of this Certificate.

9.2.4 Adhesion to substrates will depend on the condition and cleanness of the substrate. Substrates must be visibly dry, sound and free from loose materials or contamination (eg moss or algae).

9.2.5 Damaged areas of the substrate (eg blistered membrane) must be removed, replaced or repaired. Substrate defects (eg shallow-bottomed cracks and indentations) must be filled, in accordance with the Certificate holder's instructions.

9.2.6 Deck surfaces must be free from sharp projections such as concrete nibs.

9.2.7 Gutters and outlets must be checked to ensure that they are, and remain, clear of all debris.

9.2.8 All points of potential weakness such as splits, cracks, joints and crazed surfaces must be additionally reinforced in accordance with the Certificate holder's instructions prior to application of the system.

9.2.9 Substrates must be primed in accordance with the Certificate holder's instructions. The Certificate holder recommends peel-strength adhesion tests are carried out on-site, prior to application, in order to ensure sufficient adhesion is achieved and to determine priming requirements.

9.2.10 Primer coverage rates are given in Table 6.

Table 6 Primer application rates

Primer	Application rate ($m^2 \cdot l^{-1}$)
Bauder LiquiTOP General Purpose Primer	16 to 20
Bauder LiquiTOP Epoxy Primer	10 to 20
Bauder LiquiTOP PVC Primer	5 to 8
Bauder LiquiTOP Reactivation Primer	8 to 10

9.2.11 The primers can be applied by brush or roller. Brush application is normally used only for small roof areas and for embedding the fibre mat reinforcement into the waterproofing at areas of detailing.

9.2.12 Work must only commence on an area if it can be carried out to the full thickness for that particular coat, before weather changes occur. Where weather interrupts installation between layers, installation can proceed for up to five days, provided the surface is clean, without the need for Bauder LiquiTOP Reactivation Primer .

9.2.13 For a smooth texture substrate, the system is applied at the coverage rates given in Table 7. The advice of the Certificate holder on coverage rates for intermediate, rough, porous and undulating substrates must be sought. The Bauder LiquiTOP Glass Fibre Mat is embedded in first coat of Bauder LiquiTOP PU while the membrane is still wet, ensuring a minimum overlap of 50 mm of runs of the reinforcement.

Table 7 System coverage rates and finished thickness

Layer (unit)	Full reinforcement system
Bauder LiquiTOP PU Embedment Coat ($l \cdot m^{-2}$)	1.0
Reinforcement	225 $g \cdot m^{-2}$ reinforcement
Bauder LiquiTOP PU Intermediate Coat ($l \cdot m^{-2}$)	0.75
Bauder LiquiTOP PU Top Coat ($l \cdot m^{-2}$)	0.75

9.2.14 The embedment coat is left to cure, prior to the application of the intermediate coat of Bauder LiquiTOP PU at the coverage rate given in Table 7 and left to cure. The top coat is then applied and allowed to cure before any trafficking of the surface is allowed.

9.2.15 Random tests must be carried out on the finished coated surface by cutting out small areas to measure finished cured thickness. Test areas must be repaired after the sample is taken.

9.2.16 The NHBC requires that the roof membranes, once installed, are inspected in accordance with *NHBC Standards* 2024, Chapter 7.1, Clause 7.1.11, and undergo an appropriate integrity test, where required. Any damage to the membrane must be repaired in accordance with section 9.4 of this Certificate and reinspected.

9.3 Workmanship

Practicability of installation was assessed by the BBA on the basis of the Certificate holder's information. To achieve the performance described in this Certificate, installation of the system must be carried out by contractors who have been trained and approved by the Certificate holder and in accordance with the relevant clauses of BS 8000-0 : 2014 and BS 8000-4 : 1989.

9.4 Maintenance and repair

9.4.1 Ongoing satisfactory performance of the system in use requires that it is suitably maintained. The guidance provided by the Certificate holder was assessed by the BBA and found to be appropriate and adequate.

9.4.2 The repair of minor damage to the system can be achieved effectively by cleaning back to the unweathered material with clean water or diluted detergent solution, allowing to dry, reactivating using Bauder LiquiTOP Reactivation Primer if over five days old, and recoating the damaged area with the membrane at the recommended coverage rates given in section 9.2.

10 Manufacture

10.1 The production processes for the system have been assessed, and provide assurance that the quality controls are satisfactory according to the following factors:

10.1.1 The manufacturer has provided documented information on the materials, processes, testing and control factors.

10.1.2 The quality control operated over batches of incoming materials has been assessed and deemed appropriate and adequate.

10.1.3 The quality control procedures and testing to be undertaken have been assessed and deemed appropriate and adequate.

10.1.4 The process for management of non-conformities has been assessed and deemed appropriate and adequate.

10.1.5 An audit of each production location was undertaken, and it was confirmed that the production process was in accordance with the documented process, and that equipment has been properly tested and calibrated.

† 10.2 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 packaging of liquid components bears the product name, batch number and health and safety data. Table 8 gives the packaging types and sizes

Table 8 Packaging sizes and types

System component	Packaging type	Size	Storage temperature (°C)
Bauder LiquiTOP PU	Cans	15 litres	5 to 25
Bauder LiquiTOP PVC Primer	Cans	5 litres	5 to 25
Bauder LiquiTOP General Purpose Primer	Cans	5 litres	5 to 25
Bauder LiquiTOP Epoxy Primer (Part A and Part B)	Kits	4 litres	5 to 25
Bauder LiquiTOP Reactivation Primer	Cans	5 litres	5 to 25

11.2 The liquid components must be stored in a dry, shaded area and away from ignition sources.

†ANNEX A – SUPPLEMENTARY INFORMATION

Supporting information in this Annex is relevant to the system but has not formed part of the material assessed for the Certificate.

Construction (Design and Management) Regulations 2015
Construction (Design and Management) Regulations (Northern Ireland) 2016

Information in this Certificate may assist the client, designer (including Principal Designer) and contractor (including Principal Contractor) to address their obligations under these Regulations.

CLP Regulations

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

Additional information on installation

A.1 For design purposes of zero falls roofs, reference must be made to appropriate clauses in the Liquid Roofing and Waterproofing Association (LRWA) Note 7 – *Specifier Guidance for Flat Roof Falls*.

A.2 Guidance for the design and construction of blue roofs is available in the *NFRC Technical Guidance Note for the construction and design of Blue Roof – Roofs and podiums with controlled temporary water attenuation*.

A.3 Installation of the system must be carried out in accordance with the relevant clauses of Liquid Roofing and Waterproofing Association (LRWA) Note 7 – *Specifier Guidance for Flat Roof Falls*.

Bibliography

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

BS 8000-0 : 2014 + A1 : 2024 *Workmanship on construction sites — Introduction and general principles*
BS 8000-4 : 1989 *Workmanship on construction sites — Code of practice for waterproofing*

BS EN ISO 527-1 : 2012 *Plastics - Determination of tensile properties. Part 1 : General properties*
BS EN ISO 527-3 : 2018 *Plastics – Determination of tensile properties. Part 3: Test conditions for films and sheets.*

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 : 18to 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 BS EN 1991-1-4 : 2005 +A1 : 2010 UK National Annex to *Eurocode 1 : Actions on structures — General actions — Wind actions*

BS EN 13501-1 : 2018 *Fire classification of construction products and building elements — Classification using data from reaction to fire tests*
BS EN 13501-5 : 2016 *Fire classification of construction products and building elements — Classification using data from external fire exposure to roofs tests*

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

EOTA Technical Report TR-003 : May 2004 *Determination of the watertightness*
EOTA Technical Report TR-004 : May 2004 *Determination of the resistance to delamination*
EOTA Technical Report TR-006 : May 2004 *Determination of the resistance to dynamic indentation*
EOTA Technical Report TR-007 : June 2003 *Determination of the resistance to static indentation*
EOTA Technical Report TR-008 : May 2004 *Determination of the resistance to fatigue movement*

Conditions of Certificate

Conditions

1 This Certificate:

- relates only to the product that is named and described on the front page
- is issued only to the company, firm, organisation or person named on the front page – no other company, firm, organisation or person may hold or claim that this Certificate has been issued to them
- 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
- and any matter arising out of or in connection with it or its subject matter (including non-contractual disputes or claims) is governed by and construed in accordance with the law of England and Wales.
- the courts of England and Wales shall have exclusive jurisdiction to settle any matter arising out of or in connection with this Certificate or its subject matter (including non-contractual disputes or claims).

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.