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Agrément Certificate

15/5238

Product Sheet 2 Issue 3

IKO ULTRA LIFE 30 WATERPROOFING SYSTEMS

IKO ULTRA LIFE 30 TORCH FREE WATERPROOFING SYSTEM

This Agrément Certificate Product Sheet⁽¹⁾ relates to the IKO Ultralife 30 Torch Free Waterproofing system, using polyester-reinforced, modified bitumen membranes, for use as a cold bonded waterproofing system for flat or pitched roofs with limited access.

(1) Hereinafter referred to as 'Certificate'.

The assessment includes

Product factors:

- compliance with Building Regulations
- compliance with additional regulatory or non-regulatory information where applicable
- evaluation against technical specifications
- assessment criteria and technical investigations
- uses and design considerations

Process factors:

- compliance with Scheme requirements
- installation, delivery, handling and storage
- production and quality controls
- maintenance and repair

Ongoing contractual Scheme elements†:

- regular assessment of production
- formal 3-yearly review



KEY FACTORS ASSESSED

- Section 1. Mechanical resistance and stability
- Section 2. Safety in case of fire
- Section 3. Hygiene, health and the environment
- Section 4. Safety and accessibility in use
- Section 5. Protection against noise
- Section 6. Energy economy and heat retention
- Section 7. Sustainable use of natural resources
- Section 8. Durability

The BBA has awarded this Certificate to the company named above for the 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 Third issue: 17 May 2024

Originally certified on 10 December 2015

Hardy Giesler

Chief Executive Officer

This BBA Agrément Certificate is issued under the BBA's Inspection Body accreditation to ISO/IEC 17020. Sections marked with † are not issued under accreditation.

The BBA is a UKAS accredited Inspection Body (No. 4345), Certification Body (No. 0113) and Testing Laboratory (No. 0357).

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

The Certificate should be read in full as it may be misleading to read clauses in isolation.

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

British Board of Agrément

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SUMMARY OF ASSESSMENT AND COMPLIANCE

This section provides a summary of the assessment conclusions; readers should refer to the later sections of this Certificate for information about the assessments carried out.

Compliance with Regulations

Having assessed the key factors, the opinion of the BBA is that the IKO Ultra Life 30 Torch Free Waterproofing System, if installed, used and maintained in accordance with this Certificate, can satisfy or contribute to satisfying the relevant requirements of the following Building Regulations:



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

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



The Building (Scotland) Regulations 2004 (as amended)

Regulation: Comment:	8(1)(2)	Fitness and durability of materials and workmanship The system is acceptable. See sections 8 and 9 of this Certificate.
Regulation: Comment:	9 2.8	Building standards - construction Spread from neighbouring buildings The system, when applied to a suitable substructure, 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: Comment:	3.10	Precipitation The use of 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: Comment:	7.1(a)	Statement of sustainability 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: Comment:	12	Building standards - conversion All comments given for the product under Regulation 9, Standards 1 to 6, also apply to this Regulation, with reference to clause 0.12.1 ⁽¹⁾⁽²⁾ and Schedule 6 ⁽¹⁾⁽²⁾ .

(1) Technical Handbook (Domestic).
(2) Technical Handbook (Non-Domestic).



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

Regulation:	23(1)(a)	Fitness of materials and workmanship
Comment:	(i)(iii)(b)(i)	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, can satisfy 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 a suitable substructure, the use of the system may enable a roof to be unrestricted under this Regulation. See section 2 of this Certificate.

Additional Information

NHBC Standards 2024

In the opinion of the BBA, the IKO Ultralife 30 Torch Free Waterproofing System, if installed, used and maintained in accordance with this Certificate, can satisfy or contribute to satisfying the relevant requirements in relation to *NHBC Standards*, 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 systems.

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

Fulfilment of Requirements

The BBA has judged the IKO Ultra Life 30 Torch Free Waterproofing System to be satisfactory for use as described in this Certificate. The system has been assessed as for use as a fully bonded waterproofing system for flat or pitched roofs with limited access.

ASSESSMENT

Product description and intended use

The Certificate holder provided the following description for the product under assessment. The IKO Ultralife 30 Torch Free Waterproofing System consists of:

- IKO Ultra Life 30 Capsheet — a polyester reinforced, SBS modified bitumen with a granular mineral upper surface finish and a polypropylene fleece on the underside, torch-on or adhesively applied capsheet
- IKO Ultra Life 30 Self-Adhesive Detailing Capsheet — a polyester reinforced, SBS modified bitumen with a granular mineral upper surface finish and a release film on the lower surface, detailing capsheet
- IKO Ultra Heat-Activated Underlay — polyester reinforced, self-adhesive, SBS modified bitumen with a mineral finish on the upper surface and a release film on the lower surface, base sheet
- IKO Ultra Torch-Free Detailing Underlay — polyester reinforced, self-adhesive, SBS modified bitumen with a smooth film on the upper surface finish and a release film on the lower surface, detailing base sheet
- IKO Ultra Self-Adhesive Air & Vapour Control Layer (the subject of BBA Certificate 86/1640).

The system membranes have the nominal characteristics given in Table 1.

Table 1 Nominal characteristics of the membranes

Characteristic (unit)	Components				
	IKO Ultra Life 30 Capsheet	IKO Ultra Life 30 Self-Adhesive Detailing Capsheet	IKO Ultra Heat-Activated Underlay	IKO Ultra Torch-Free Detailing Underlay	IKO Ultra S-A Air and Vapour Control Layer
Length (m)	8	8	16	16	15
Width (m)	1	1	1	1	1
Mass per unit area(kg·m ⁻²)	5.40	4.375	2.25	2.50	2.4
Roll Weight (kg)	43.20	35.00	36.00	40.00	36.00

Ancillary Items

The following ancillary items are essential to use with the system and have been assessed with the system:

- IKOpro Bonding Agent — for use in promoting the adhesion of membranes
- IKOpro Quick Dry Bitumen Primer — bitumen priming solution for various substrates.

The Certificate holder recommends the following ancillary items for use with the system, but these materials have not been assessed by the BBA and are outside the scope of this Certificate:

- IKOpro High Performance Insulation Adhesive — a single part moisture cured polyurethane adhesive used for bonding insulation boards
- IKOpro High Performance PU Adhesive — a membrane adhesive
- Rockwool Hardrock DD Multifix Mineral Wool — a mineral wool insulation board for use as part of a built up warm roof
- IKO Enertherm Gold insulation board — a rigid polyisocyanurate (PIR) insulation board for use as part of a built-up warm roof
- Challenger 180 — a nailed preparation layer
- IKO Ultra T-O Air & Vapour Control Layer (BBA Certificate 86/1640).

Definitions for products and applications inspected

The following terms have been defined for the purpose of this Certificate as:

- limited access roofs — a roof subjected only to pedestrian traffic for maintenance of the roof covering and cleaning of gutters, etc. Where traffic in excess of this is envisaged, additional protection to the membrane must be provided
- pedestrian access roofs — a roof not subjected to vehicular traffic
- flat roofs — a roof having a minimum finished fall of 1:80
- pitched roofs — a roof having a fall greater than 1:6.

Product assessment – key factors

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

1 Mechanical resistance and stability

Not applicable.

2 Safety in case of fire

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 systems given in Table 2 of this Certificate achieved B_{ROOF}(t4) for slopes below 10°.

Table 2 Results of external fire spread tests

Layer	System ⁽¹⁾
Substrate	18 mm OSB ⁽²⁾
Primer	IKOpro Bonding Agent ⁽²⁾
Air and vapour control layer (AVCL)	IKO Ultra S-A AVCL
Adhesive	IKO Pro High Performance PU Adhesive ⁽²⁾
Insulation	IKO Enertherm Gold PIR Insulation ⁽²⁾ Single layers (50 to 140 mm) Double layers (140 and 50 mm to 140 and 100 mm)
Primer	IKOpro Bonding Agent ⁽²⁾
Underlay	IKO Ultra H-A Underlay
Adhesive	IKOpro High Performance PU Adhesive ⁽²⁾
Waterproof membrane	IKO Ultra Life 30 Cap Sheet

(1) Fire Test Report 21602B, Classification Report 21602D and Extended Application Report 21602C conducted by Warringtonfire, available from the Certificate holder on request.

(2) These components are outside the scope of this Certificate.

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

2.1.3 In Wales and Northern Ireland, when used on flat roofs using a substrate designated in the supporting documents with the surface finishes listed below, the roof is also deemed to be unrestricted with respect to a relevant boundary:

- bitumen-bedded stone chippings covering the whole surface to a depth of not less than 12.5 mm
- bitumen-bedded tiles of a non-combustible material
- sand and cement screed
- macadam.

2.1.4 The designation 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 system to BS EN 13501-1 : 2018.

2.2.2 The system will be restricted in use under the documents supporting the national Building Regulations in some cases.

2.2.3 In England, the systems, when used in 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. Restrictions apply on assembly and recreation buildings. These constructions must also be included in calculations of unprotected area.

2.2.4 In Wales, the system, when used in 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. Restrictions apply on assembly and recreation buildings. These constructions must also be included in calculations of unprotected area.

2.2.5 In Northern Ireland, for systems used on walls or on roofs with 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 build-up, 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.

Product assessed	Assessment method	Requirement	Result
IKO Ultra T-F Detailing Underlay	Resistance to peel on concrete to MOAT 64 4.3.2 : 2001 4.3.3	$\geq 25 \text{ N} \cdot (50 \text{ mm})^{-1}$	Pass
Ultra Life 30 Cap Sheet	Shear strength of joints to BS EN 12317-1 : 2000	$\geq 500 \text{ N} \cdot (50 \text{ mm})^{-1}$	
	End Lap		Pass
	Side Lap		Pass
Built-up system: 18 mm OSB IKO Pro Bonding Agent IKO Ultra S-A AVCL IKOpro Insulation PU Adhesive IKO Enertherm Gold PIR Insulation 120 mm thick IKO Ultra H-A Underlay IKO Ultra Life 30 Cap Sheet (torched on)	Resistance to wind uplift (pull-off under suction) to MOAT 65 4.3.2 : 2001	Maximum suction pressure not causing failure of the specimen	-5kPa

3.1.2 The watertightness of the system was further assessed using test data from a representative system.

3.1.3 On the basis of data assessed, the system, including joints, when completely sealed and consolidated, will adequately resist the passage of moisture to the inside of a building and so satisfy the requirements of the national Building Regulations.

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

3.2 Resistance to mechanical damage

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

System assessed	Assessment method	Requirement	Result
Ultra Life 30 Cap Sheet bonded to a self-adhesive bitumen underlay on concrete	Resistance to static indentation to BS EN 12730 : 2001	Value achieved	20 kg
Ultra Life 30 Cap Sheet bonded to a self-adhesive bitumen underlay on EPS			20 kg
Ultra Life 30 Cap Sheet bonded to a self-adhesive bitumen underlay on aluminium	Resistance to dynamic indentation to BS EN 12691 : 2006	Value achieved	2.5 m
Ultra Life 30 Cap Sheet bonded to self-adhesive bitumen underlay on EPS			2.5 m
Ultra Life 30 Cap Sheet	Tensile strength to BS EN 12311-1 : 2000	Value achieved	
	Longitudinal		1053 N
	Transverse		921 N
Ultra Life 30 Cap Sheet	Elongation to BS EN 12311-1 : 2000	Value achieved	
	Longitudinal		50 %
	Transverse		60 %

3.2.2 The tensile properties of IKO Ultra Heat-Activated Underlay were assessed using data from a representative related product.

3.2.3 On the basis of data assessed, the system can accept, without damage, the foot traffic and light concentrated loads associated with installation and maintenance and the effects of minor movement likely to occur in practice.

3.2.4 Where traffic in excess of the examples given in section 3.2.3 is envisaged, such as for maintenance of lift equipment, a walkway must be provided. Reasonable care must be taken to avoid puncture by sharp objects or concentrated loads.

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

8.2.1 The potential mechanisms for degradation and the known performance characteristics of the materials in these systems were assessed.

8.2.2 Specific durability test data were assessed as given in Table 5.

Table 5 Durability test results

Product assessed	Assessment method	Requirement	Result
Ultra Life 30 Cap Sheet	Dimensional stability to BS EN 1107-1 : 2000	≤ 0.5%	Pass
Ultra Life 30 Cap Sheet	Low temperature flexibility to BS EN 1109 : 2013		
	Control	≤ -15°C	
	Upper face		Pass
	Lower face		Pass
	Heat aged for 280 days at 70°C	≤ -5°C	
	Upper face		Pass
	Lower face		Pass
Ultra Life 30 Cap Sheet	Heat resistance to BS EN 1110 : 2010		
	Control	≥ 100°C	Pass
	Heat aged for 280 days at 70°C	≥ 90°C	Pass
Ultra Life 30 Cap Sheet	Shear strength of joints to BS EN 12317-1 : 2000	≥ 500 N·(50 mm) ⁻¹	
	Heat aged for 280 days at 70°C		
	End Lap		Pass
	Side Lap		Pass

8.2.3 The dimensional stability and resistance to peel from substrate after heat ageing of IKO Ultra Heat-Activated Underlay were assessed using data from a representative related product.

8.3 Service life

8.3.1 Under normal service conditions, the system will have a life in excess of 35 years, provided that it is designed, installed and maintained in accordance with this Certificate and the Certificate holder's instructions.

8.3.2 When using the mineral-finished membrane, it is possible that some localised loss of mineral surface may occur after some years in areas where complex detailing of the roof design is incorporated.

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, and the following requirements apply in order to satisfy the performance assessed 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, BS 8217 : 2005 and, where appropriate, *NHBC Standards 2024*, Chapter 7.1.

9.1.3 For design purposes of 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, and direction of falls.

9.1.4 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.

9.1.5 Imposed loads, dead loading 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.

9.1.6 If the roof is likely to be subjected to uncontrolled pedestrian access, the substructure must satisfy the requirements of the relevant clauses of BS 8217 : 2005, and one of the surface finishes described in clause 6.12 of the Code of Practice must be used.

9.1.7 The resistance to wind uplift for warm roofs will be dependent on the cohesive strength of the insulation and the method by which it is secured to the roof deck. This must be taken into account when selecting a suitable insulation material.

9.1.8 Insulation materials to be used in conjunction with the system 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 be used in accordance with, and within the limitations 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, the Certificate holder's instructions and the relevant clauses of BS 8000-0 : 2014, BS 8000-4 : 1989 and BS 8217 : 2005.

9.2.3 Deck surfaces must be sound, dry and clean, and free from sharp projections such as nail heads and concrete nibs.

9.2.4 The system is laid in conditions normal to roofing work and must not be laid in rain, snow or heavy fog. If the temperature is below 5°C, suitable precautions must be taken against the formation of condensation on the substrate.

9.2.5 At falls in excess of 5° (1:11), precautions against slippage, and requirements for mechanical fixing as required by BS 8217 : 2005, must be observed.

9.2.6 When the system is used for remedial work, existing surface finishes (eg surface dressing) must be removed, and existing waterproofing layers must be made sound and then primed.

9.2.7 Upstands and other detailing must be carried out in accordance with the Certificate holder's installation instructions.

9.2.8 Substrates must be primed with IKOpro Systems Bonding Agent prior to the installation of the IKO Ultra Heat-Activated Underlay

9.2.9 The first strip of IKO Ultra Heat-Activated Underlay is laid out in the correct position on the roof deck. The underlay is then rolled back towards the centre to reveal the release paper underneath. At a point close to the centre of the roll, the release paper must be carefully cut across the width of the roll without cutting through the underlay.

9.2.10 IKO Ultra Heat-Activated underlay is then fully bonded to the substrate in accordance with the Certificate holder's instructions.

9.2.11 Overlaps for the underlay must be a minimum of 75 mm, both for side laps and end laps.

9.2.12 The IKO Ultra Torch-Free Detailing Underlay is installed at upstands and penetrations using the same method.

9.2.13 IKO Ultra Life 30 Capsheet is bonded to the underlay using a Certificate holder recommended polyurethane adhesive in accordance with the Certificate holder's instructions.

9.2.14 Lap joints in the capsheet and detailing membrane are formed by hot-air welding. A bead of the coating must exude from the joint when sealed. Side laps are a minimum of 75 mm and end laps are 100 mm

9.2.15 The finished membrane requires no further surface protection.

9.2.16 The NHBC requires that the system, once installed, is inspected in accordance with *NHBC Standards 2024* Chapter 7.1, Clause 7.1.11, including undergoing an appropriate integrity test, where required. Any damage to the system assessed in this Certificate must be repaired in accordance with section 9.4 of this Certificate and reinspected, in order to maintain the system's performance.

9.3 Workmanship

Practicability of installation was assessed on the basis of the Certificate holder's information and BS 8217 : 2005. To achieve the performance described in this Certificate, the system must only be installed by contractors who have been trained and approved by the Certificate holder.

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 following requirements apply in order to satisfy the performance assessed in this Certificate:

9.4.2.1 The system must be the subject of six-monthly inspections and maintenance in accordance with the recommendations of BS 6229 : 2018, Chapter 7, and the Certificate holder's own maintenance requirements, where relevant, to ensure continued satisfactory performance.

9.4.2.2 In the event of damage, the capsheet must be repaired in accordance with the Certificate holder's instructions. After cleaning, a patch of membrane must be applied and bonded to the damaged area.

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 product testing to be undertaken have been assessed and deemed appropriate and adequate.

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

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

† 10.2 The BBA has undertaken to review the above measures on a regular basis through a surveillance process, to verify that the specifications and quality control operated by the manufacturer are being maintained.

11 Delivery and site handling

11.1 The Certificate holder stated that the system membranes are delivered to site within paper wrappings bearing the Certificate holder's name and the BBA logo incorporating the number of this Certificate.

11.2 Delivery and site handling must be performed in accordance with the Certificate holder's instructions and this Certificate.

11.2.1 Rolls must be stored upright on a clean, level surface, kept dry and not exposed to excessive heat.

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 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).

UKCA marking

The Certificate holder has taken the responsibility of UKCA marking the system in accordance with Designated Standard EN 13707 : 2013.

CE marking

The Certificate holder has taken the responsibility of CE marking the product in accordance with harmonised European Standard EN 13707 : 2013.

Management Systems Certification for production

The management system of the manufacturer has been assessed and registered as meeting the requirements of BS EN ISO 9001 : 2015 by BSI (Certificate Q05233).

Bibliography

- BS 6229 : 2018 *Flat roofs with continuously supported flexible waterproof coverings — Code of practice*
- BS 8217 : 2005 *Reinforced bitumen membranes for roofing — Code of practice*
- BS 8000-0 : 2014 + A1 : 2024 *Workmanship on construction sites — Introduction and general principles*
BS 8000-4 : 1989 *Workmanship on building sites — Code of practice for waterproofing*
- BS EN 1107-1 : 2000 *Flexible sheets for waterproofing - Determination of dimensional stability – Bitumen sheets for roof waterproofing*
- BS EN 1109 : 2013 *Flexible sheets for waterproofing — Bitumen sheets for roof waterproofing—Determination of flexibility at low temperature*
- BS EN 1110 : 2010 *Flexible sheets for waterproofing - Bitumen sheets for roof waterproofing – Determination of flow resistance at elevated temperature*
- 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 + A2 : 18 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 BS EN 1991-1-4 : 2005 + A1 : 2010 *UK National Annex to Eurocode 1 : Actions on structures — General actions — Wind actions*
- BS EN 12311-1 : 2000 *Flexible sheets for waterproofing - Determination of tensile properties – Bitumen sheets for roof waterproofing*
- BS EN 12317-1 : 2000 *Flexible sheets for waterproofing – Bitumen sheets for roof waterproofing – Determination of shear resistance of joints*
- BS EN 12691 : 2006 *Flexible sheets for waterproofing – Bitumen, plastic and rubber sheets for roof waterproofing. Determination of resistance to impact*
- BS EN 12730 : 2001 *Flexible sheets for waterproofing – Bitumen, plastic and rubber sheets for roof waterproofing. Determination of resistance to static loading*
- 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 roof tests*
- EN 13707 : 2013 *Flexible sheets for waterproofing — Reinforced bitumen sheets for roof waterproofing — Definitions and characteristics*
- BS EN ISO 9001 : 2015 *Quality management systems — Requirements*
- DD CEN/TS 1187 : 2012 *Test methods for external fire exposure to roofs*
- MOAT 64 : 2001 *UEAtc Technical guide for the assessment of roof waterproofing systems made of reinforced APP or SBS polymer modified bitumen sheets*
MOAT 65 : 2001 *UEAtc Technical Guide for the Assessment of Non-Reinforced, Reinforced and/or Backed Roof Waterproofing Systems made of PVC*

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
- is valid only within the UK
- has to be read, considered and used as a whole document – it may be misleading and will be incomplete to be selective
- is copyright of the BBA
- is subject to English Law.

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

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

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

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

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

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

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

British Board of Agrément

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