

## IKO PLC

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**Agrément Certificate**

**02/3916**

Product Sheet 1 Issue 6

### IKO SELF-ADHESIVE ROOFING SYSTEMS

### IKO EASYSEAL ROOF WATERPROOFING SYSTEM

This Agrément Certificate Product Sheet<sup>(1)</sup> relates to the IKO Easyseal Roof Waterproofing System, for use as a partially and fully bonded waterproofing system for use on flat or low-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 Sixth issue: 17 October 2024

Originally certified on 24 June 2002

A handwritten signature in black ink, appearing to read 'Hardy Giesler'.

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.*

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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 Easyseal Roof 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)

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



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

<b>Regulation:</b>	<b>8(1)(2)</b>	<b>Fitness and durability of materials and workmanship</b>
Comment:		The use of the system can satisfy this Regulation. See sections 8 and 9 of this Certificate.
<b>Regulation:</b>	<b>9</b>	<b>Building standards – construction</b>
Standard:	<b>2.8</b>	Spread from neighbouring buildings
Comment:		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 <sup>(1)(2)</sup> . See section 2 of this Certificate.
Standard:	<b>3.10</b>	Precipitation
Comment:		The use of the system, including joints, will enable a roof to satisfy this Standard, with reference to clauses 3.10.1 and 3.10.7 <sup>(1)</sup> . See section 3 of this Certificate.
Standard:	<b>7.1(a)</b>	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.
<b>Regulation:</b>	<b>12</b>	<b>Building standards – conversion</b>
Comment:		Comments in relation to the system under Regulation 9, Standards 1 to 6, also apply to this Regulation, with reference to clause 0.12.1 <sup>(1)(2)</sup> and Schedule 6 <sup>(1)(2)</sup> .

(1) Technical Handbook (Domestic).

(2) Technical Handbook (Non-Domestic).



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

<b>Regulation:</b>	<b>23(1)(a)(i)</b>	<b>Fitness of materials and workmanship</b>
Comment:	<b>(iii)(b)(i)</b>	The system is acceptable. See sections 8 and 9 of this Certificate
<b>Regulation:</b>	<b>28(b)</b>	<b>Resistance to moisture and weather</b>
Comment:		The system, including joints, will satisfy this Regulation. See section 3 of this Certificate.
<b>Regulation:</b>	<b>36(b)</b>	<b>External fire spread</b>
Comment:		On a suitable substructure, the use of the system may enable a roof to be unrestricted by this Regulation. See section 2 of this Certificate.

### Additional Information

#### NHBC Standards 2024

In the opinion of the BBA, the IKO Easyseal Roof 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 system.

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

### Fulfilment of Requirements

The BBA has judged the IKO Easyseal Roof Waterproofing System to be satisfactory for use as described in this Certificate. The system has been assessed as a fully bonded waterproofing system for use on flat or low-pitched roofs with limited access

### ASSESSMENT

#### Product description and intended use

The Certificate holder provided the following description for the system under assessment. The IKO Easyseal Roof Waterproofing System consists of:

- IKO Easyseal Cap Sheet — a polyester-reinforced ( $175 \text{ g}\cdot\text{m}^{-2}$ ) styrene-butadiene-styrene (SBS) modified bitumen self-adhesive membrane with a slate finish on the upper surface and a release film on both the lower surface. It includes and the selvedge area on the upper surface
- IKO Easyseal Self Adhesive (S-A) Partially Bonded Underlay — a glass-reinforced ( $95 \text{ g}\cdot\text{m}^{-2}$ ) SBS modified bitumen self-adhesive membrane, with a polyethylene film on the upper surface and a release film on the lower surface
- IKO Easyseal Self-Adhesive (S-A) Fully Bonded Underlay — a glass-reinforced ( $95 \text{ g}\cdot\text{m}^{-2}$ ) SBS modified bitumen self-adhesive membrane, with a polyethylene film on the upper surface and a release film on the lower surface.

These products have the nominal characteristics given in Table 1.

**Table 1 Nominal characteristics**

Characteristic (unit)	IKO Easyseal Cap Sheet	IKO Easyseal Self-Adhesive Partially Bonded Underlay	IKO Easyseal Self-Adhesive Fully Bonded Underlay
Width (m)	1.0	1.0	1.0
Length (m)	6.0	8.0	8.0
Mass per unit area (kg·m <sup>-2</sup> )	3.17	2.25	2.25
Roll weight (kg)	19.02	18	18

### Ancillary Items

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

- IKOpro Easyseal Bonding Agent — a cold-applied bituminous primer consisting of a blend of bitumen, solvents and additives, for preparing substrates prior to application
- IKOpro Felt Lap Adhesive — a cold-applied modified bituminous adhesive, used to seal side and end laps, details in the cap sheet and where the cap sheet overlays mineral finished sheets, eg at the bottom of upstands and around roof-lights.

The Certificate holder recommends IKO enertherm ALU (the subject of BBA Certificate 15/5283), a polyisocyanurate (PIR) insulation board, for use with the system, but this product has not been assessed by the BBA and is outside the scope of this Certificate:

### Definitions for products and applications inspected

The following terms are 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
- flat roofs — a roof having a minimum finished fall of 1:80
- low pitched roofs — a pitched roof with a maximum pitch of 10°.

## **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**

Data were assessed for the following characteristic.

#### 2.1 External fire spread

2.1.1 A roof incorporating the products will be unrestricted under the national Building Regulations with respect to proximity to a relevant boundary when protected by an inorganic covering (eg gravel or paving slabs) listed in the Annex of Commission Decision 2000/553/EC.

2.1.2 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 proximity 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.

2.1.3 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.

### 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 2.

*Table 2 Weathertightness*

Product/system assessed	Assessment method	Requirement	Result
	Water vapour transmission rate to BS 3177 : 1959*	Value achieved	
Easyseal Underlay			0.41 g·m <sup>-2</sup> ·24h <sup>-1</sup>
Easyseal Cap sheet			0.57 g·m <sup>-2</sup> ·24h <sup>-1</sup>
IKO Self-Adhesive Roofing System	Wind uplift to BS 17686 : 2022	Value achieved	-5kPa
Built-up system:			
<ul style="list-style-type: none"> <li>• OSB deck</li> <li>• IKOpro Easyseal Bonding Agent</li> <li>• IKO Easyseal vapour control layer</li> <li>• IKOpro PU Insulation Adhesive</li> <li>• IKO enertherm ALU insulation boards</li> <li>• PIR insulation fillets</li> <li>• IKO Easyseal S-A Partially Bonded Underlay</li> <li>• IKO Easyseal S-A Fully Bonded Underlay</li> <li>• Related Cap sheet (Fully bonded)</li> </ul>			
Easyseal Cap Sheet	Tensile strength of joints to MOAT 27 : 5.2.2 : 1983 <sup>(1)</sup>	≥ 500 N·(50 mm) <sup>-1</sup>	Pass

(1) Testing before harmonised standards.

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

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 interior of a building and so satisfy the requirements of the national Building Regulations.

3.1.4 The adhesion of the bonded system to decking is sufficient to resist the effects of wind suction, thermal cycling or other minor structural movements likely to occur in practice.

3.1.5 The wind uplift forces must be calculated by a suitably experienced and competent individual in accordance with BS EN 1991-1-4 : 2005 and its UK National Annex.

3.1.6 Where the system is bonded to insulation boards, the resistance to wind uplift 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 insulation material is selected.

### 3.2 Resistance to mechanical damage

3.2.1 Results of resistance to mechanical damage tests are given in Table 3:

<i>Table 3 Mechanical damage</i>			
Product assessed	Assessment method	Requirement	Result
IKO Easyseal Self-Adhesive Fully Bonded Underlay	Dynamic indentation to MOAT 27 : 5.1.9 : 1983 <sup>(1)</sup>	Value achieved	I <sub>3</sub>
IKO Easyseal Cap Sheet			I <sub>3</sub>
IKO Easyseal Self-Adhesive Fully Bonded Underlay on concrete	Resistance to static loading to EN 12730 : 2001	Value achieved	15 kg
IKO Easyseal Cap Sheet on concrete			15 kg
IKO Easyseal Self-Adhesive Fully Bonded Underlay on EPS			20 kg
IKO Easyseal Cap sheet on EPS			20 kg
	Resistance to tearing to EN 12310 : 1999	≥ 50 N	
IKO Easyseal Self-Adhesive Fully Bonded Underlay	Longitudinal direction		Pass
	Transverse direction		Pass
IKO Easyseal Cap Sheet	Longitudinal direction		Pass
	Transverse direction		Pass
	Tensile strength to EN 12311-1 : 2000	Value achieved	
IKO Easyseal Self-Adhesive Fully Bonded Underlay	Longitudinal direction		365 N·(50 mm) <sup>-1</sup>
	Transverse direction		323 N·(50 mm) <sup>-1</sup>
IKO Easyseal Cap Sheet	Longitudinal direction		607 N·(50 mm) <sup>-1</sup>
	Transverse direction		590 N·(50 mm) <sup>-1</sup>
IKO Easyseal Self-Adhesive Fully Bonded Underlay	Low temperature flexibility to MOAT 27 : 5.4.2 : 1983 <sup>(1)</sup>	≤ -15°C	Pass
IKO Easyseal Cap Sheet			Pass

(1) Testing before harmonised standards.

3.2.2 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.

3.2.3 Where traffic in excess of the examples given in section 3.2.2 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

8.1 The potential mechanisms for degradation and the known performance characteristics of the materials in this system were assessed.

8.2 Specific test data were assessed for the following.

Products assessed	Assessment method	Requirement	Result
IKO Easyseal Self-Adhesive Fully Bonded Underlay	Dimensional stability to MOAT 64 : 4.3.7 : 2001 <sup>(1)</sup>	≤ 0.5%	Pass
IKO Easyseal Self-Adhesive Fully Bonded Underlay with IKO Easyseal Cap sheet	Resistance to slippage to MOAT 64 : 4.3.4 : 2001 <sup>(1)</sup> tested at a 45° slope	≤ 2 mm	Pass
IKO Easyseal Cap sheet	Heat resistance to MOAT 31: 6E : 1984 <sup>(1)</sup> control	Value achieved	110°C
	heat aged for 56 days at 70°C		105°C
	heat aged for 168 days at 70°C		85°C
IKO Easyseal Cap sheet	Low temperature flexibility to MOAT 27 : 5.4.2 : 1983 <sup>(1)</sup> heat aged for 168 days at 70°C	≤ 0°C	Pass
IKO Easyseal Cap sheet	Tensile strength of joints to MOAT 27 : 5.2.3 : 1983 <sup>(1)</sup> heat aged for 28 days at 80°C	≥ 500 N·(50 mm) <sup>-1</sup>	Pass
	to MOAT 27 : 5.2.4 : 1983 <sup>(1)</sup> water exposure for 7 days at 60°C		Pass

(1) Testing before harmonised standards.

### 8.3 Service life

8.3.1 Under normal service conditions, the system will have a life in excess of 20 years, provided it is designed, installed and maintained in accordance with this Certificate and the Certificate holder's instructions.

8.3.2 Localised loss of the mineral surfacing 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 must 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.

## 9.2 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 dry, frost-free, clean and free from sharp projections such as nail heads. The substrate must be primed using IKOpro Easyseal Bonding Agent prior to application of the system.

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 The system should be installed at temperatures above 10°C if possible. When site ambient temperatures are below 10°C, it is recommended that the membranes are stored in a warm environment for 24 hours prior to use. If it is necessary to carry out installation at lower temperatures, a hot-air gun can be used to warm the adhesive surface.

9.2.7 The first strip of underlay is laid out in the correct position of the roof deck. The underlay is rolled back towards the centre revealing the release paper underneath. At a point close to the centre of the roll, the release paper is carefully cut across the width of the roll without cutting through the underlay.

9.2.8 The release paper is peeled back to expose part of the self-adhesive surface (see Figure 1), which is then pressed down onto the decking and the release paper gradually peeled back. Air bubbles are removed using a rag or soft broom.

*Figure 1 Membrane laying process*



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

9.2.10 Drip edges into gutters are installed after the underlay installation and prior to the application of the cap sheet.



9.2.11 The cap sheet is installed as described in sections 9.2.7 to 9.2.9, ensuring that the end laps and side joints do not coincide with those of the underlay.

9.2.12 All edge, upstand and penetration detailing must be carried out in accordance with the Certificate holder's instructions.

9.2.13 Insulation materials to be used in conjunction with the system must be one of the following:

- IKO enertherm ALU, comprising a rigid polyisocyanurate (PIR) foam board with composite foil-facings on both sides
- polyurethane foam insulation board, faced with plywood on the top surface
- other insulation approved by the Certificate holder, and/or as described in the relevant clauses of BS 6229 : 2018.

9.2.14 The NHBC requires that the system, once installed, are 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 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 competent roofing contractors experienced with this type of system.

### 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 cap sheet must be repaired in accordance with the Certificate holder's instructions. After cleaning, a patch of the same membrane must be applied and bonded to the damaged area, with a suitable overlap.

## 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 is delivered to site in rolls wrapped in paper bearing the Certificate holder and product names, the code number identifying the date of manufacture and the BBA logo incorporating the number of this Certificate. The rolls are delivered on pallets, shrink wrapped in polythene.

11.2 The primer and adhesive are delivered to site as given in Table 5.

*Table 5 Packaging information*

<b>Component</b>	<b>Packaging/size</b>
IKOpro Easyseal Bonding Agent	Tins / 5 or 15 l
IKOpro Felt Lap Adhesive	Sealant gun / 310 ml

11.3 Delivery and site handling must be performed in accordance with the Certificate holder's instructions and this Certificate, including:

11.3.1 Rolls must be stored on end on a clean and level surface away from excessive heat and kept dry.

11.3.2 IKOpro Easyseal Bonding Agent and IKOpro Felt Lap Adhesive must be stored in the original sealed container in dry conditions at a temperature between 5°C and 25°C.

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 components in accordance with Designated Standard EN 13707 : 2013.

### CE marking

The Certificate holder has taken the responsibility of CE marking the system components 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 and BS EN ISO 14001 : 2015 by Lucideon (Certificates Q05233 and 24709 respectively).

## Bibliography

BS 3177 : 1959 (1995) *Method for determining the permeability to water vapour of flexible sheet materials used for packaging*

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

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

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

BS 8000-6 : 2023 *Workmanship on building sites – Code of practice for slating and tiling of roofs and claddings*

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

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

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

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

NA + A2 : 18 to BS EN 1991-1-3 + 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 12310-1 : 2000 *Flexible sheets for Determination of resistance to tearing (nail shank) – Part 1: Bitumen sheets for roof waterproofing.*

BS EN 12311-1 : 2000 *Flexible sheets for waterproofing – Determination of tensile properties – Part 1: Bitumen sheets for roof waterproofing*

BS EN 12730 : 2001 *Flexible sheets for waterproofing – Bitumen, plastic and rubber sheets for roof waterproofing. Determination of resistance to static loading*

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

BS 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*

ISO 14001 : 2015 *Environmental management systems – Requirements with guidance for use*

MOAT 27 : 1983 *Assessment of roof waterproofing systems*

MOAT 31 : 1984 *Assessment of reinforced Homogeneous waterproof roof coverings of SBS Elastomer Bitumen*

MOAT 64 : 2001 *UEAtc Technical Guide for the Assessment of Roof Waterproofing Systems made of Reinforced APP or SBS Polymer Modified Bitumen Sheets*

## 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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