

Sika Limited

Site C
Watchmead
Welwyn Garden City
AL7 1BQ

Tel: 0808 141 0710

e-mail: roofing.technicalservices@uk.sika.com

website: www.sika.co.uk/roofing



Agrément Certificate

09/4668

Product Sheet 2 Issue 6

SIKA WATERPROOFING MEMBRANES

SIKAPLAN SGK ADHERED MEMBRANE

This Agrément Certificate Product Sheet⁽¹⁾ relates to Sikaplan SGK Adhered Membrane, a reinforced, fleece-backed polyvinyl chloride (PVC) membrane for use as an adhered waterproofing layer on pitched, flat and curved roofs of less than 20 m radius 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 product described herein. This product has been assessed by the BBA as being fit for its intended use provided it is installed, used and maintained as set out in this Certificate.

On behalf of the British Board of Agrément

Date of Sixth issue: 11 November 2024

Originally certified on 03 June 2009

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

1st Floor, Building 3, Hatters Lane
Croxley Park, Watford
Herts WD18 8YG

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tel: 01923 665300
clientservices@bbacerts.co.uk
www.bbacerts.co.uk

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 Sikaplan SGK Adhered Membrane, 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 product is restricted by this Requirement in some circumstances. See section 2 of this Certificate.	
Requirement:	B4(2)	External fire spread
Comment:	When applied to suitable substructures, the product may enable a roof to be unrestricted by this Requirement. See section 2 of this Certificate.	
Requirement:	C2(b)	Resistance to moisture
Comment:	The product, including joints, will enable a roof to satisfy this Requirement. See section 3 of this Certificate.	
Regulation:	7(1)	Materials and workmanship
Comment:	The product 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 use of the product satisfies this Regulation. See sections 8 and 9 of this Certificate.	
Regulation:	9	Building standards – construction
Standard:	2.8	Spread from neighbouring buildings
Comment:	The product, when used with a suitable surface protection, 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 product, including joints, will enable a roof to satisfy this Standard with references 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 product 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:	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)(i)	Fitness of materials and workmanship
Comment:	(iii)(b)(i)	The product is acceptable. See sections 8 and 9 of this Certificate.
Regulation:	28(b)	Resistance to moisture and weather
Comment:		The product, including joints, will enable a roof to satisfy this Regulation. See section 3 of this Certificate.
Regulation:	36(a)	External fire spread
Comment:		The product 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 product 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, Sikaplan SGK Adhered Membrane, 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 product 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 product.

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

Fulfilment of Requirements

The BBA has judged Sikaplan SGK Adhered Membrane to be satisfactory for use as described in this Certificate. The product has been assessed as a reinforced, fleece-backed PVC membrane for use as an adhered waterproofing layer on pitched, flat and curved roofs of less than 20 m radius with limited access.

ASSESSMENT

Product description and intended use

The Certificate holder provided the following description for the product under assessment. Sikaplan SGK Adhered Membrane is a glass fibre-reinforced PVC roof waterproofing membrane with a polyester fleece backing.

The product has the nominal characteristics given in Table 1.

Table 1 Nominal characteristics of Sikaplan SGK Adhered Membrane

Characteristic (unit)	
Thickness (mm)	1.5, 1.8
Thickness including fleece (mm)	2.4, 2.7
Mass per unit area ($\text{kg}\cdot\text{m}^{-2}$)	2.1
Roll length (m)	15
Roll width (m)	2.0
Colour	
upper	light grey, lead grey
lower	grey

Ancillary items

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

- Sika C300 — a polyurethane adhesive, for use in bonding the product to the surface of the substrate
- Sika C400 Spray — a spray-applied moisture curing polyurethane adhesive for use in bonding the product to the surface of the substrate
- Sikaplan SG — for use for detailing work (eg edges and upstands)
- Sikaplan L100 Cleaning Agent — an ethyl acetate-based solution for the cleaning of heavily soiled membrane prior to welding.

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

- Sikaplan WBP — a walkway, to define the walkway routes
- Sikaplan Corner Pieces — Sikaplan S membrane in preformed corner pieces, for use in corner detailing
- Sikaplan Metal Sheets — Used to produce profiles for perimeter flashings, connections and fixings
- S-Vap 500E Vapour Check — An air and vapour control layer (AVCL)
- S-Vap 5000E SA — a self-adhesive, AVCL
- SikaRoof C200 Adhesive — a one-pack adhesive for use with insulation boards
- Décor Profile SE — a PVC profile to imitate a traditional standing-seam metal roof.

Applications

The product is intended for use as an adhered roof waterproofing membrane in the following specifications:

- on pitched, flat and curved roofs with limited access
- applied to vertical surfaces up to 1 m in height.

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.

Product assessment – key factors

The product 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 CEN/TS 1187 : 2012, Test 4 and classified to EN 13501-5 : 2016, the constructions given in Table 2 achieved $B_{ROOF}(t_4)$ for slopes below 10°:

Table 2 Systems given a $B_{ROOF}(t_4)$ classification

Layer	System 1 ⁽¹⁾	System 2 ⁽²⁾
Substrate ⁽³⁾	Plywood of thickness ≥ 18 mm of density $590 \text{ kg}\cdot\text{m}^{-3}$ or Trapezoidal profiled steel deck of thickness ≥ 0.7 mm or Non-combustible A1 substrate of thickness ≥ 8 mm and density $\geq 1800 \text{ kg}\cdot\text{m}^{-3}$	Plywood of thickness ≥ 18 mm of density $670 \text{ kg}\cdot\text{m}^{-3}$
Primer ⁽³⁾	-	A synthetic based primer
AVCL ⁽³⁾	0.6 mm thick Sikaplan S-Vap 5000E SA	A 2.4 mm thick, self-adhering bituminous AVCL with an aluminium foil facing and non-woven polyester reinforcement.
Insulation board fixing method ⁽³⁾	Sikaplan C200 Adhesive or mechanical fastening	Mechanical fastening
Insulation ⁽³⁾	Either glass tissue faced ($350 \text{ g}\cdot\text{m}^{-2}$) faced or aluminium foil ($100 \text{ g}\cdot\text{m}^{-2}$) faced, polyisocyanurate (PIR) board (density $32 \text{ kg}\cdot\text{m}^{-3}$), either as a single or double layered – thickness 40 to 220 mm	Mineral wool insulation slab, with or without a mineral fibre tissue facing, board density 150 to $160 \text{ kg}\cdot\text{m}^{-3}$ and slab thickness ≥ 60 mm
Membrane fixing method	Sika C300 adhesive	Sika C300 adhesive and additionally mechanically fastened ⁽³⁾
Membrane	Sikaplan SGK Adhered Membrane, thickness range 1.5 to 1.8 mm	Sikaplan SGK Adhered Membrane, thickness range 1.5 to 1.8 mm

(1) Classification report reference 21096D, conducted by Warrington Fire, available from the Certificate holder on request.

(2) Classification report reference 21756D, conducted by Warrington Fire, available from the Certificate holder on request.

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

2.1.2 When tested to BS 476-3 : 2004, the constructions given in Table 3 achieved the external fire spread classifications given in Table 3.

Table 3 Systems tested to BS 476-3 : 2004

Layer	System 1 ⁽¹⁾	System 2 ⁽²⁾	System 3 ⁽³⁾	System 4 ⁽⁴⁾
Substrate ⁽⁵⁾	18 mm plywood	18 mm plywood	18 mm plywood	18 mm plywood
Primer ⁽³⁾	-	-	A synthetic based primer	-
AVCL ⁽⁵⁾	Bituminous roofing membrane	-	0.6 mm thick Sikaplan S-Vap 5000E SA	Sikaplan S Vap HD SA
Insulation board fixing method ⁽³⁾	Liquid bitumen	-	Sika C200 adhesive	Sika C200 adhesive
Insulation ⁽⁵⁾	145 mm high density mineral fibre with a woven glass fibre fabric to upper surface	-	120 mm tissue faced rigid foam	100 mm fibrous membrane faced PIR board
Membrane fixing method	Sika C300 adhesive	Sika C300 adhesive	Sika C300 adhesive	Sika C300 adhesive
Membrane	1.5 mm Sikaplan SGK	2.4 mm Sikaplan SGK Adhered Membrane	1.2 mm Sikaplan SGK Adhered Membrane	1.5 mm Sikaplan SGK Adhered Membrane
Fire rating	EXT.F.AB	EXT.F.AB	EXT.F.AC	EXT.F.AC

(1) Fire test report reference 239560, conducted by BRE Global, available from the Certificate holder on request.

(2) Fire test report reference 276177, conducted by BRE Global, available from the Certificate holder on request.

(3) Fire test report reference 302849-1, conducted by BRE Global, available from the Certificate holder on request.

(4) Fire test report reference 259284, conducted by BRE Global, available from the Certificate holder on request.

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

2.1.3 On the basis of data assessed, the constructions given in Tables 2 and 3 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.

2.1.4 The classification and permissible areas of use of other specifications must be established 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 declared a reaction to fire classification of Class E⁽¹⁾ to BS EN 13501-1 : 2018 for the product.

(1) Test report and classification reports reference EUI-22-000312-I and EUI-22-SFB—000312-I, conducted by EFECTIS UK/Ireland Limited, available from the Certificate holder on request.

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

2.2.3 In England, the product, 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 and Northern Ireland, the product, when used in pitches greater than 70°, excluding upstands, must not be used less than 1 m from a relevant boundary, or on 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 Scotland, the use of the product 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 4.

<i>Table 4 Weathertightness</i>			
Product assessed	Assessment method	Requirement	Result
Sikaplan SGK	Water vapour transmission rate to BS 3177 : 1959	Value achieved	2.01 g·m ⁻² ·day ⁻¹
Sikaplan SGK	Water vapour resistance to BS 3177 : 1959	Value achieved	102 MN·s·g ⁻¹
Sikaplan SGK	Watertightness to MOAT 27 : 5.1.4 : 1983	No leakage	Pass
Sikaplan SGK - on concrete - on a bituminous membrane	Peel from substrate to MOAT 27 : 5.1.3 : 1983	≥ 25 N·(50 mm) ⁻¹	Pass
			Pass
Sikaplan SGK	Resistance to leakage of joints to MOAT 27 : 5.2.1 : 1983	No bubbling	Pass
Sikaplan SGK	Dynamic wind uplift to MOAT 27 : 5.1.2 : 1983	No failure up to 10 kPa	Pass

3.1.2 On the basis of data assessed, the product, 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.

3.1.3 When the product is bonded to a decking, or a reinforced bituminous membrane, it will sufficiently resist the effect of wind suction, thermal cycling and other minor structural movements likely to occur in service.

3.1.4 The resistance to wind uplift of the product, when adhered to insulation boards, will be dependent on the cohesive strength of the insulation and the method by which the insulation is secured to the roof deck. This must be considered when the insulation material is selected.

3.2 Resistance to mechanical damage

3.2.1 Results of resistance to mechanical damage tests are given in Table 5.

Table 5 Resistance to mechanical damage

Product assessed	Assessment method	Requirement	Result
Sikaplan SGK - on perlite - on EPS insulation	Dynamic indentation to MOAT 27 : 5.1.10 : 1983	Value achieved	I ₃ I ₄
Sikaplan SGK - on concrete - on EPS insulation	Static indentation to MOAT 27 : 5.1.9 : 1983	Value achieved	L ₄ L ₄
Sikaplan SGK	Tensile strength to MOAT 29 : 4.8 : 1984 Longitudinal direction Transverse direction	Value achieved	670 N·(50 mm) ⁻¹ 950 N·(50 mm) ⁻¹
Sikaplan SGK	Elongation to MOAT 29 : 4.8 : 1984 Longitudinal direction Transverse direction	Value achieved	143% 80%
Sikaplan SGK	Tear strength to BS 2782-3 : Method 308B : 1970 Longitudinal direction Transverse direction	Value achieved	192 N·mm ⁻¹ 190 N·mm ⁻¹
Sikaplan SGK	Low temperature flexibility to MOAT 29 : 4.14 1984	No damage at -25°C	Pass
Sikaplan SGK	Unrolling at low temperatures to MOAT 27 : 5.4.3 : 1983	No damage to membrane when unrolled at 0°C	Pass

3.2.2 On the basis of data assessed, the product 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 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 (eg using concrete slabs supported on bearing pads). The advice of the Certificate holder must be sought on the most appropriate method to be used but such advice and products are outside the scope of this Certificate.

3.2.4 The product is capable of accepting minor structural movement while remaining weathertight.

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

The product contains PVC, polyester fleece and glass, which can be recycled.

8 Durability

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

8.2 Specific test data were assessed as given in Table 6.

Table 6 Durability			
Products assessed	Assessment method	Requirement	Result
Sikaplan SGK	Low temperature flexibility to	No damage at -25°C	
	MOAT 29 : 4.14 : 1984		
	after heat ageing at 80°C for 180 days		Pass
Sikaplan SGK - on concrete	after UV ageing for 1500 hours QUV	No significant loss of properties after ageing	Pass
	Peel from substrate to		
	MOAT 27 : 5.1.3 : 1983		Pass
Sikaplan SGK	after heat ageing at 80°C for 28 days	No failure up to 9 kPa	
	Thermal shock resistance to		
	MOAT 27 : 5.1.5 : 1983		Pass

8.3 Visits to existing sites were carried out to assess the long-term performance of the product in use. The conclusion of the visits was that the product retained sufficient physical characteristics to maintain its intended function.

8.4 Service life

Under normal service conditions, the product will have a service life in excess of 35 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 satisfy the performance assessed in this Certificate.

9.1.2 Decks to which the product 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, direction of falls, etc.

9.1.4 The product must not be laid directly onto certain materials, eg reinforced bituminous membranes, polystyrene insulation boards or timber substrates which have been impregnated with oil-based preservatives. If contact with such products is likely, a separating layer must be used. Where doubt arises, the advice of the Certificate holder must be sought, but such advice is outside the scope of this Certificate.

9.1.5 Insulation materials used in conjunction with the product must be approved by the Certificate holder and either:

- as described in the relevant clauses of BS 6229 : 2018, or
- the subject of a current BBA Certificate and 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 of the product must be carried out in accordance with the relevant clauses of Certificate holder's instructions, BS 8000-0 : 2014 and BS 8000-4 : 1989, and this Certificate.

9.2.3 The product must be laid in conditions normal to roofing work and must not be laid in wet or damp weather, or at temperatures below 5°C, unless suitable precautions are taken.

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

9.2.5 The substrate will not require priming, with the exception of some existing bituminous surfaces and some non-standard surfaces. In these cases, the Certificate holder's advice must be sought, but such advice is outside the scope of this Certificate.

9.2.6 The requirement of an AVCL must be established in accordance with BS 6229 : 2018 and the Certificate holder's instructions.

9.2.7 The product is unrolled onto the substrate and folded back for half the length of the roll, exposing the underside.

9.2.8 Sika C300 Polyurethane Adhesive is applied in strips onto the substrate at a rate of 200 to 300 g·m⁻² and spread evenly with a squeegee.

9.2.9 The surface is lightly misted with a water spray to activate the adhesive. The membrane is laid back into position and allowed to settle by its own weight.

9.2.10 The product is mechanically fastened at the perimeters by standard details, joints are hot-air welded in the manner described in sections 9.2.11 to 9.2.13.

9.2.11 Hot air welding can be carried out by automatic or hand-operated hot-air welding machines, with a temperature set in accordance with the Certificate holder's instructions.

9.2.12 If the surface has become badly contaminated, lap joint areas on both sheets must be cleaned, using a cleaning product recommended by the Certificate holder, but such products are outside the scope of this Certificate.

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

9.3 Workmanship

Practicability of installation was assessed by the BBA on the basis of the Certificate holder's information and a site visit to witness an installation in progress. To achieve the performance described in this Certificate, installation of the product must be carried out 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 product 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 achieve the performance assessed in this Certificate:

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

9.4.3 In the event of damage, repairs must be carried out in accordance with the Certificate holder's instructions. Repairs are made by applying a patch of the product extending at least 50 mm beyond the defect. The damaged area must be cleaned back to the unweathered material and the patch hot-air or solvent welded to the product.

10 **Manufacture**

10.1 The production processes for the product 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 product is delivered to site in rolls on pallets either with a corrugated cardboard outer or wrapped in polythene film. The wrapping bears the Certificate holder's name, product identification, roll width and length, colour 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, including:

11.2.1 Rolls must be stored horizontally under cover and on a clean, level surface in a dry environment. Pallets must not be stacked more than three high.

11.2.2 Ancillary items must be stored in a similar environment.

ANNEX A – SUPPLEMENTARY INFORMATION †

Supporting information in this Annex is relevant to the product 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 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).

CE marking

The Certificate holder has taken the responsibility of CE marking the product in accordance with harmonised European Standard EN 13956 : 2012.

Management Systems Certification for production

The management system of the manufacturer has been assessed and registered as meeting the requirements of DIN EN ISO 9001 : 2015 by SQS (Certificate 31982).

The product is manufactured in Germany and marketed in the UK by the Certificate holder.

Registered Contractor Scheme⁽¹⁾

The Certificate holder operates a Registered Contractor Scheme for the product under which contractors are trained, registered and regularly reviewed by the Certificate holder to demonstrate that they are competent to carry out installation in accordance with this Certificate. Details of Registered Contractors are available from the Certificate holder. Registered Contractors are responsible for each installation of the product they undertake.

(1) The Certificate holder's records relating to the Registered Contractors Scheme will be audited annually by the BBA as part of its programme of surveillance.

Additional information on installation

A.1 The guidance given in *2020 SPRA Single Ply Design Guide (S1/2020)* should be followed during installation.

Bibliography

- BS 476-3 : 2004 *Fire tests on building materials and structures — Part 3 : Classification and method of test for external fire exposure to roofs*
- BS 2782-3 : 1970 *Methods of testing plastics — Method 308 tear strength*
- BS 3177 : 1959 *Method for determining the permeability of 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 site — Code of practice for waterproofing*
- BS 8217 : 2005 *Reinforced bitumen membranes for roofing — Code of practice*
- BS EN 13501-1 : 2018 *Fire classification of construction products and building elements — Classification using data from reaction to fire tests*
- DIN EN ISO 9001 : 2015 *Quality management systems — Requirements*
- CEN/TS 1187 : 2012 *Test methods for external fire exposure to roofs*
- EN 13501-5 : 2016 *Fire classification of construction products and building elements — Classification using data from external fire exposure to roofs test*
- EN 13956 : 2012 *Flexible sheets for waterproofing — Plastic and rubber sheets for roof waterproofing — Definitions and characteristics*
- MOAT 27 : 1983 *UEAtc General Directive for the Assessment of Roof Waterproofing Systems*
- MOAT 29 : 1984 *UEAtc Directives for the Assessment of Roofing Systems using PVC sheets without reinforcement, loose laid under heavy protection and not compatible with bitumen*

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

1st Floor, Building 3, Hatters Lane
Croxley Park, Watford
Herts WD18 8YG

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tel: 01923 665300
clientservices@bbacerts.co.uk
www.bbacerts.co.uk