Protect-Proof Kunststoff Vertriebs GmbH
Wacholderweg 11
Oldenburg
26133 Germany

Tel: +49 441 4087052
e-mail: info@protect-proof.de
website: www.protect-proof.de

Agrément Certificate
23/7040
Product Sheet 1 Issue 1

PROTECT-PROOF WATERPROOFING SYSTEM

PROTECT-PROOF 1K PU/CV

This Agrément Certificate Product Sheet(1) relates to Protect-proof 1K PU/CV, a liquid-applied, moisture activated polyurethane for use on new and existing flat and 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. The 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 issue: 15 November 2023

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
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 Protect-proof 1K PU/CV, if installed, used and maintained in accordance with this Certificate, can satisfy or contribute to satisfying the relevant requirements of the following Building Regulations:



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

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



The Building (Scotland) Regulations 2004 (as amended)

Regulation:	**8(1)(2)**	**Fitness and durability of materials and workmanship**
Comment:		The system can satisfy the requirements of this Regulation. See sections 8 and 9 of this Certificate.
Regulation:	**9**	**Building standards - construction**
Standard:	2.6	Spread to neighbouring buildings
Standard:	2.7	Spread on external walls
Comment:		The system is restricted under clauses 2.6.4$^{(1)(2)}$ and 2.7.1$^{(1)(2)}$ of these Standards in some circumstances. See section 2 of this Certificate.
Standard:	2.8	Spread from neighbouring buildings
Comment:		The system, when applied to a suitable substructure, may enable a roof to be unrestricted under clause 2.8.1$^{(1)(2)}$ of this Standard. See section 2 of this Certificate.
Standard:	3.10	Precipitation
Comment:		The system will enable a roof to satisfy the requirements of this Standard, with reference to clauses 3.10.1$^{(1)(2)}$ and 3.10.6$^{(1)(2)}$. See section 3 of this Certificate.
Standard:	7.1(a)	Statement of sustainability
Comment:		The system can contribute to satisfying the relevant requirements of Regulation 9, Standards 1 to 6, and therefore will contribute to a construction meeting a bronze level of sustainability as defined in this Standard.

Regulation:	**12**	**Building standards - conversions**
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[(1)(2)] and Schedule 6[(1)(2)]. (1) Technical Handbook (Domestic). (2) Technical Handbook (Non-Domestic).



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

Regulation:	**23(1)(a)(i)(ii)(iii)(iv)(b)(i)**	**Fitness of materials and workmanship**
Comment:		The system is acceptable. See sections 8 and 9 of this Certificate.
Regulation:	**28(b)**	**Resistance to moisture and weather**
Comment:		The system will enable a roof to satisfy the requirements of this Regulation. See section 3 of this Certificate.
Regulation:	**36(a)**	**External fire spread**
Comment:		The system is restricted by this Regulation in some circumstances. See section 2 of this Certificate.
Regulation:	**36(b)**	**External fire spread**
Comment:		On suitable substructures, the system may enable a roof to be unrestricted under this Regulation. See section 2 of this Certificate.

Additional Information

NHBC Standards 2023

In the opinion of the BBA, the Protect-proof 1K PU/CV system (without the Protect-proof Topsiegel top coat), 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 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 Protect-proof 1K PU/CV to be satisfactory for use as described in this Certificate. The system has been assessed for use on new and existing flat and pitched roofs with limited access.

ASSESSMENT

Product description and intended use

The Certificate holder provided the following description for the system under assessment. Protect-proof 1K PU/CV consists of:

- Protect-proof 1K PU — a one component, polyurethane, liquid applied waterproofing membrane
- Protect-proof Topsiegel — a one component, liquid applied, aliphatic polyurethane top coat for use over Protect-proof 1K PU.

The level of Use Categories, as defined in EAD 03050-00-0402, are as detailed in Table 1 of this Certificate.

Table 1 Classification of Use Categories to EAD 030350-00-0402

	Protect-proof 1K PU	Protect-proof 1K PU + Protect-proof Topsiegel
Working life	W3 (25 years)	W2 (10 years)
Climatic zone	S (Severe climate)	
Imposed load	P1	P3
Roof slopes	S1-S4 (< 5% to > 30%)	
Surface temperature use	Lowest TL3 (-20°C)	
	Highest TH4 (90°C)	Highest TH3 (80°C)

Ancillary Items

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:

- Protect-proof Fleece — a non-woven polyester reinforcement for use in the reinforcement of construction details, flashing joints, cracks and gaps
- Protect-proof 1K PU Sealant — one component polyurethane sealant and adhesive for creating fillets at changes of direction and sealing cracks and splits in substrates
- Protect-proof 1K PU Primer — a single component, low viscosity polyurethane primer
- Protect-proof LF Primer — a single component, low viscosity polyurethane primer and concrete sealant
- 1K PVC primer — a single component, low viscosity polyurethane quick curing cleaning agent and primer for PVC membrane
- 1K TPO/FPO primer — a single component, low viscosity polyurethane quick curing cleaning agent and primer for TPO/FPO membrane
- 1K PU Accelerator — a catalytic liquid that when added to Protect-proof 1K PU accelerates the curing profile
- Protect-proof Thixotropic — a thixotropic paste that when added to Protect-proof 1K PU allows the liquid to be applied to upstands, and inclined and pitched surfaces
- Protect-proof Special Tape — a reinforcement butyl tape option that can be used on board joints, changes of direction or cracks and splits in various substrates.

Applications

The system is intended for use on flat and pitched roofs with limited access on the following substrates:

- concrete
- mortar
- fibre cement.

When installed without the top coat, the system is only suitable for non-accessible areas or under protection.

Definitions for products and applications inspected

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

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

Table 2 External fire spread classifications

Substrate	Base coat	Reinforcement	Top coat
8 mm fibre cement board	0.8 mm Protect-proof 1K PU	134 g·m^{-2} geotextile reinforcement	1 mm Protect-proof 1K PU

2.1.2 On the basis of data assessed, the construction 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 When used in conjunction with one of the organic coverings listed in the Annex of Commission decision 2000/553/EC, the system will be similarly unrestricted.

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 declared a reaction to fire classification to EN 13501-1 : 2018 of Class E for the system.

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

2.2.3 In England, the system, when used 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 areas.

2.2.4 In Wales and Northern Ireland, 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 areas.

2.2.5 In Scotland, the system, when used in pitches greater than 70°, excluding upstands, must not be used on buildings less than 1 m from a relevant boundary or with a storey 11 m or more above the ground level or on some entertainment, assembly, hospital and residential care buildings. These constructions must also be included in calculations of unprotected areas.

3 Hygiene, health and the environment

Data were assessed for the following characteristics.

3.1 Weathertightness

3.1.1 Results of weathertightness tests are given in Table 3.

Table 3 Results of weathertightness tests

Product assessed	Assessment method	Requirement	Result
Protect-proof 1K PU	Resistance to water vapour to EN 1931 : 2000	Value achieved	s_d = 1105 m
Protect-proof 1K PU	Watertightness to EOTA TR 003 : 2004 under 1 m head of water	No leakage	Pass
Protect-proof 1K PU	Resistance to delamination to EOTA TR 004 : 2004	≥ 50 kPa	
	concrete		Pass
	mortar		Pass
	fibre cement		Pass
Protect-proof 1K PU	Resistance to delamination of day joints to EOTA TR 004 : 2004	≥ 50 kPa	Pass

3.1.2 On the basis of data assessed, the system will adequately resist the passage of moisture to the inside of a building and so satisfy the requirements of the national Building Regulations.

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

3.2 Resistance to mechanical damage

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

Table 4 Results of resistance to mechanical damage tests

Product assessed	Assessment method	Requirement	Result
Protect-proof 1K PU	Resistance to dynamic indentation to EOTA TR 006 : 2004 on steel	Value achieved	
	tested at 23°C		I_3
	tested at –20°C		I_3
	cured at 5°C, tested at 23°C		I_3
	cured at 40°C, tested at 23°C		I_3
Protect-proof 1K PU	Resistance to static indentation to EOTA TR 007 : 2004 on steel	Value achieved	
	tested at 23°C		L_4
	tested at 60°C		L_4
	tested at 80°C		L_2
	tested at 90°C		L_1
Protect-proof 1K PU with Protect-proof Topsiegel	tested at 80°C		L_3
Protect-proof 1K PU	Tensile strength to EN ISO 527-3 : 2003	Value achieved	
	Control		8.8 MPa
	Cured at 0°C		8.8 MPa
	Cured at 40°C		7.3 MPa
Protect-proof 1K PU	Elongation to EN ISO 527-3 : 2003	Value achieved	
	Control		450%
	Cured at 0°C		452%
	Cured at 40°C		481%
Protect-proof 1K PU	Resistance to fatigue to EOTA TR 008 : 2004 on fibre cement	No leakage and less than 75 mm debonding from substrate	Pass

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, maintenance and pedestrian traffic on defined walkways and the effects of minor movement likely to occur in practice while remaining weathertight. Reasonable care must be taken to avoid puncture by sharp objects or concentrated loads.

3.2.3 When applied without the Protect-proof Topsiegel top coat, the system must only be accessed when a suitable protection, such as pavers, is used.

4 Safety and accessibility in use

Not applicable.

5 Protection against noise

Not applicable.

6 Energy economy and heat retention

Not applicable.

7 Sustainable use of natural resources

Not applicable.

8 Durability

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

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

Table 5 Results of durability tests

Product assessed	Assessment method	Requirement	Result
Protect-proof 1K PU	Resistance to fatigue to EOTA TR 008 : 2004 on fibre cement	No leakage and less than 75 mm debonding from substrate	
	heat ageing at 80°C for 200 days to EOTA TR 011 : 2004		Pass
Protect-proof 1K PU with Protect-proof Topsiegel	heat ageing at 80°C for 100 days to EOTA TR 011 : 2004		Pass
Protect-proof 1K PU with Protect-proof Topsiegel	Resistance to delamination to EOTA TR 004 : 2004 on concrete	≥ 50 kPa	
	Exposure to water at 60°C for 30 days to EOTA TR 012 : 2004		Pass
Protect-proof 1K PU	exposure to water at 60°C for 60 days to EOTA TR 012 : 2004		Pass
Protect-proof 1K PU with Protect-proof Topsiegel	Resistance to dynamic indentation to EOTA TR 006 : 2004 on steel	Value achieved	
	heat ageing at 80°C for 100 days to EOTA TR 011 : 2004 tested at –20°C		I_3
	UV aged for 400 MJ·m^{-2} at 60°C to EOTA TR 010 : 2004 tested at –10°C		I_3
Protect-proof 1K PU	heat ageing at 80°C for 200 days to EOTA TR 011 : 2004 tested at –20°C		I_3
	UV aged for 1000 MJ·m^{-2} at 60°C to EOTA TR 010 : 2004 tested at –10°C		I_3
Protect-proof 1K PU with Protect-proof Topsiegel	Resistance to static indentation to EOTA TR 007 : 2004 on steel tested at 90°C	Value achieved	
	exposure to water at 60°C for 30 days to EOTA TR 012 : 2004		L_3
Protect-proof 1K PU	exposure to water at 60°C for 60 days to EOTA TR 012 : 2004		L_1

Table 5 Results of durability tests (continued)

Product assessed	Assessment method	Requirement	Result
Protect-proof 1K PU with Protect-proof Topsiegel	Tensile strength to EN ISO 527-3 : 2003	Value achieved	
	heat ageing at 80°C for 100 days to EOTA TR 011 : 2004		3.6 MPa
	UV aged for 400 MJ·m^{-2} at 60°C to EOTA TR 010 : 2004		5.3 MPa
Protect-proof 1K PU	heat ageing at 80°C for 200 days to EOTA TR 011 : 2004		3.7 MPa
	UV aged for 1000 MJ·m^{-2} at 60°C to EOTA TR 010 : 2004		8.0 MPa
Protect-proof 1K PU with Protect-proof Topsiegel	Elongation to EN ISO 527-3 : 2003	Value achieved	
	heat ageing at 80°C for 100 days to EOTA TR 011 : 2004		170%
	UV aged for 400 MJ·m^{-2} at 60°C to EOTA TR 010 : 2004		670%
Protect-proof 1K PU	heat ageing at 80°C for 200 days to EOTA TR 011 : 2004		213%
	UV aged for 1000 MJ·m^{-2} at 60°C to EOTA TR 010 : 2004		500%

8.3 Service life

Under normal service conditions, the system will have a life of at least 25 years, provided they are designed, installed and maintained in accordance with this Certificate and the Certificate holder's instructions. Protect-proof Topsiegel may require re-application after 10 years.

PROCESS ASSESSMENT

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

9 Design, installation, workmanship and maintenance

9.1 Design

9.1.1 The design process was assessed by the BBA and the following requirements apply in order to satisfy the performance 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 and, where appropriate, *NHBC Standards* 2023, Chapter 7.1.

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

9.2 Installation

9.2.1 Installation instructions provided by the Certificate holder were assessed and judged to be appropriate and adequate.

9.2.2 Installation must be carried out in accordance with this Certificate and the Certificate holder's instructions.

9.2.3 The system must be applied when the air and substrate temperature are greater than 5°C. The advice of the Certificate holder must be sought where air temperatures exceed 35°C, but such advice is outside the scope of this Certificate.

9.2.4 Detailing (eg upstands) is carried out in accordance with the Certificate holder's instructions.

9.2.5 Substrates on which the systems are applied must be properly prepared in accordance with the Certificate holder's instructions.

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

9.2.7 The surface must be prepared to remove loose or flaking materials, ideally with a high pressure washer, but the substrate must be visibly dry before the application of the systems.

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

9.2.9 Deck surfaces must be free from sharp projections, such as protruding fixing bolts and concrete nibs.

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

9.2.11 All points of potential weakness such as splits, cracks, joints and crazed surfaces must be reinforced with Protect-proof Fleece prior to the application of the systems.

9.2.12 Prior to application, checks must be made to ensure the substrate is dry (ie free from rainwater, surface condensation and frost) and that the prevailing weather and site conditions are correct. The following normal limitations apply:

- application must not take place when the relative humidity is in excess of 95%, or in fog. The temperature/humidity must be such that there is no risk of surface condensation occurring before or during application
- the substrate temperature must be 3°C above the measured due point
- the primer, where used, must be cured
- the wind speed must be such that it does not interfere with the application and cause overspray.

9.2.13 Application of Protect-proof 1K PU can be by brush, roller or spray in at least two coats. The first coat is applied at a coverage rate of 0.7 to 0.9 $kg \cdot m^{-2}$, the second coat is applied at a rate of 0.8 to 0.9 $kg \cdot m^{-2}$. The minimum total consumption is 1.5 to 1.8 $kg \cdot m^{-2}$, to give a minimum total thickness of 0.95 to 1 mm.

9.2.14 The second coat must be applied less than 48 hours after the first application.

9.2.15 For additional protection for use of the system in accessible roofs up to user load P3, a top coat of Protect-proof Topsiegel must be applied at a coverage rate of 0.2 to 0.4 $kg \cdot m^{-2}$ in one to two successive coats over a cured Protect-proof 1K PU surface.

9.2.16 The NHBC requires that the systems, once installed, are inspected in accordance with *NHBC Standards* 2023, Chapter 7, Clause 7.1.11, and undergo an appropriate integrity, where required. Any damage to the system must be repaired in accordance with section 9.4 of this Certificate and reinspected, in order to maintain system performance.

9.3 Workmanship

Practicability of installation was assessed by the BBA and on the basis of the Certificate holder's information. To achieve the performance described in this Certificate, installation of the systems must be carried out by specialist roofing contractors 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 they are 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 Should minor damage occur, it must be rectified by cleaning back to unweathered material and recoating the damaged area with the membrane at the application rates stated in section 9.2.13 and the Certificate holder's instructions.

10 Manufacture

10.1 The production processes for the systems 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 system 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 components are delivered to site in 1, 6, 15, or 25 kg for Protect-proof 1K PU and 1, 4 and 20 litres for Protect-proof Topsiegel , packaging bearing the system component name, intended use, suitable applications, storage recommendations, application procedure and conformity with CLP Regulations concerning product labelling.

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

11.2.1 Protect-proof 1K PU must be stored in a dry location within a temperature range of 5 to 25°C.

11.2.2 Protect-proof Topsiegel must be stored in a dry location within a temperature range of 5 to 20°C.

ANNEX A – SUPPLEMENTARY INFORMATION †

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

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

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

CLP Regulations

The Certificate holder has taken the responsibility of classifying and labelling the system 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).

Bibliography

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

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

EAD 030350-00-0402 *Liquid applied roof waterproofing kits*

EN 1931 : 2000 *Flexible sheets for waterproofing — Bitumen, plastic and rubber sheets for roof waterproofing — Determination of water vapour transmission properties*

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

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

EN ISO 527-3 : 1995 *Plastics — Determination of tensile properties — Test conditions for films and sheets*

EN ISO 9001 : 2015 *Quality management systems — Requirements*

EOTA TR 003 : 2004 *Determination of the watertightness*

EOTA TR 004 : 2004 *Determination of the resistance to delamination*

EOTA TR 006 : 2004 *Determination of the resistance to dynamic indentation*

EOTA TR 007 : 2004 *Determination of the resistance to static indentation*

EOTA TR 008 : 2004 *Determination of the resistance to fatigue movement*

EOTA TR 010 : 2004 *Exposure procedure for artificial weathering*

EOTA TR 011 : 2004 *Exposure procedure for accelerated ageing by heat*

EOTA TR 012 : 2004 *Exposure procedure for accelerated ageing by hot water*

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
Building 3, Hatters Lane
Croxley Park, Watford
Herts WD18 8YG
tel: 01923 665300
clientservices@bbacerts.co.uk
www.bbacerts.co.uk
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