

Proteus Waterproofing Ltd

21a Sirdar Road
Brook Road Industrial Estate
Rayleigh
Essex SS6 7XF

Tel: 01268 777871

e-mail: enquires@proteuswaterproofing.co.uk

website: www.proteuswaterproofing.co.uk



Agrément Certificate

22/6033

Product Sheet 2 Issue 1

PROTEUS BITUMINOUS ROOF WATERPROOFING MEMBRANES

PROTEUS PRO-FELT ENDURA AIRDHESIVE SINGLE LAYER SYSTEM

This Agrément Certificate Product Sheet⁽¹⁾ relates to the Proteus Pro-Felt⁽²⁾ Endura AIRdhesive Single Layer System, for use as a single layer roof waterproofing system on flat roofs with limited access, for roof renovations, or for warm and cold roofs. The system can be either torch applied, polyurethane adhesive bonded or mechanically fastened.

(1) Hereinafter referred to as 'Certificate'.

(2) Proteus Pro-Felt is a registered trademark.

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 issue: 24 January 2024

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

©2024

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 the Proteus Pro-Felt Endura AIRdhesive Single Layer System, if installed, used and maintained in accordance with this Certificate, can satisfy or contribute to satisfying the relevant requirements of the following Building Regulations:



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

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



The Building (Scotland) Regulations 2004 (as amended)

Regulation:	8(1)(2)	Fitness and durability of materials and workmanship
Comment:		The use of the system satisfies the requirements of this Regulation. See sections 8 and 9 of this Certificate.
Regulation:	9	Building standards - construction
Standard:		The system, when applied to a suitable substructure, may enable a roof to be unrestricted by clause 2.8.1 ⁽¹⁾⁽²⁾ of this Standard. See section 2 of this Certificate.
Comment:		
Standard:	3.10	Precipitation
Comment:		The use of the system, including joints, will enable a roof to satisfy the requirements of this Standard, with reference to clauses 3.10.1 and 3.10.7 ⁽¹⁾ . 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)	Fitness of materials and workmanship
Comment:	(iii)(b)(i)	The system is acceptable. See sections 8 and 9 of this Certificate.

Regulation:	28(b)	Resistance to moisture and weather
Comment:		The system, including joints, can satisfy the requirements of this Regulation. See section 3 of this Certificate.
Regulation:	36(b)	External fire spread
Comment:		On a suitable substructure, the use of the system may enable a roof to be unrestricted by this Regulation. See section 2 of this Certificate.

Additional Information

NHBC Standards 2024

In the opinion of the BBA, the Proteus Pro-Felt Endura AIRdhesive Single Layer 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 Proteus Pro-Felt Endura AIRdhesive Single Layer System to be satisfactory for use as described in this Certificate. The system has been assessed as for use as single layer waterproofing system on flat roofs with limited access, for roof renovations, or for warm and cold roofs.

ASSESSMENT

Product description and intended use

The Certificate holder provided the following description for the system under assessment. The Proteus Pro-Felt Endura AIRdhesive Single Layer System uses the following waterproofing membrane:

- Proteus Pro-Felt Endura AIRdhesive — an elastomeric modified bitumen membrane used as a torched on, polyurethane adhesive bonded or mechanically fastened capsheet. The membrane has a slate finish on the upper surface and a fleece on the lower surface.

Proteus Pro-Felt Endura AIRdhesive has the nominal characteristics given in Table 1.

Characteristic (unit)	Value
Thickness (mm)	4.5
Roll width (m)	1.0
Roll length (m)	5.0
Roll weight (kg)	29

Ancillary Items

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

- air and vapour control layers (AVCL)
 - Proteus Pro-Felt Endura SA AVCL Sanded — a self-adhesive AVCL
 - Proteus Pro-Felt Endura AVCL Sanded — a torch-applied AVCL
- underlays
 - Proteus Pro-Felt Endura SA Underlay Sanded — a self-adhesive underlay
 - Proteus Pro-Felt Endura SA Underlay Film — a self-adhesive underlay
 - Proteus Pro-Felt Endura TO Underlay — a torch applied underlay
- capsheets — for detailing work
 - Proteus Pro-Felt Endura SA Mineral — a cold applied, self-adhesive bituminous capsheet
 - Proteus Pro-Felt Endura Mineral — a torch-applied, bituminous capsheet.

Mechanical fastening of Proteus Pro-Felt Endura AIRdhesive is carried out using suitable fixings in accordance with the Certificate holder's recommendations (see section 9.2).

Applications

The Proteus Pro-Felt Endura AIRdhesive Single Layer System is intended for use as a single layer roof waterproofing system on flat roofs with limited access, for roof renovations, or for warm and cold roofs. The system can be either torch applied, polyurethane adhesive bonded or mechanically fastened.

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 BS EN 13501-5 : 2016, the constructions given in Table 2 of this Certificate achieved $B_{ROOF}(t4)$ for slopes below 10°.

Table 2 Tested constructions

Substrate	AVCL	Insulation	Capsheet
18 mm plywood ⁽¹⁾	Proteus Pro-Felt Endura SA AVCL Sanded	Glass faced polyisocyanurate (PIR) boards ⁽¹⁾ bonded with polyurethane adhesive ⁽¹⁾ one layer 50 to 120 mm two layers 120 mm or greater	Proteus Pro-Felt Endura AIRdhesive either torch bonded, bonded with polyurethane adhesive or mechanically fastened
		Aluminium faced polyisocyanurate (PIR) boards ⁽¹⁾ bonded with polyurethane adhesive ⁽¹⁾ one layer 50 to 120 mm two layers 120 mm or greater	
		Bitumen faced mineral wool boards greater than 60 mm ⁽¹⁾	

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

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

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

2.1.4 In Wales and Northern Ireland, when used on flat roofs using a substrate designated in the documents supporting the national Building Regulations with the surface finishes listed below, the roof is also deemed to be unrestricted with respect to a 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.

2.1.5 The designation and permissible areas of use of other specifications must be established by reference to 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 3.

Table 3 Weathertightness

Product assessed	Assessment method	Requirement	Result
Proteus Pro-Felt Endura AIRdhesive	Watertightness BS EN 1928 : 2000	No leakage after 24 hours exposure to 1 m head of water	Pass
Proteus Pro-Felt Endura AIRdhesive	Peel resistance of joints to BS EN 12316-1 : 2000	$\geq 100 \text{ N} \cdot (50 \text{ mm})^{-1}$	Pass
18 mm plywood, Proteus Pro-Felt Endura SA AVCL, 100 mm PIR insulation bonded using a polyurethane adhesive, Proteus Pro-Felt Endura SA Underlay, Proteus Pro-Felt Endura AIRdhesive bonded using a polyurethane adhesive	Resistance to wind uplift to MOAT 64 : 4.3.2 2001	Value achieved	4.0 kPa

3.1.2 Resistance to wind uplift for a mechanically fastened system was assessed using test data from a representative related system.

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

3.1.4 The adhesion of the bonded 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 Mechanical damage results

Product assessed	Assessment method	Requirement	Result
Proteus Pro-Felt Endura AIRdhesive	Tensile strength to BS EN 12311-1 : 2000 longitudinal direction transverse direction	Value achieved	820 N·(50 mm) ⁻¹ 1270 N·(50 mm) ⁻¹
Proteus Pro-Felt Endura AIRdhesive	Elongation at maximum load to BS EN 12311-1 : 2000 longitudinal direction transverse direction	Value achieved	47% 39%
Proteus Pro-Felt Endura AIRdhesive	Tear strength to BS EN 12310-1 : 2000 longitudinal direction transverse direction	$\geq 150 \text{ N}$ $\geq 150 \text{ N}$	Pass Pass

3.2.2 Dynamic indentation and static loading were assessed using test data from representative related products.

3.2.3 On the basis of data assessed, the Proteus Pro-Felt Endura AIRdhesive Single Layer 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 while remaining weathertight.

3.2.4 Where traffic in excess of the examples given in section 3.2.3 is envisaged, such as for maintenance of lift equipment, a walkway must be provided (for example, using concrete slabs supported on bearing pads). 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 the system were assessed.

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

Table 5 Results of durability tests

Products assessed	Assessment method	Requirement	Result
Proteus Pro-Felt Endura AIRdhesive	Low temperature flexibility to BS EN 1109 : 2013		
upper face	heat aged at 70°C for 240 days	≤ 0°C	Pass
lower face		≤ 0°C	Pass

8.3 Heat resistance on control and heat aged samples was assessed using test data from representative related products.

8.4 Service life

8.4.1 Under normal service conditions, the system will have a life of at least 35 years, provided it is designed, installed and maintained in accordance with this Certificate and the Certificate holder’s instructions.

8.4.2 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 analysis of the roof is available, including overall and local deflection, direction of falls etc.

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

9.1.5 Imposed loads, dead loading and wind loads must be calculated by a suitably experienced and competent individual in accordance with BS EN 1991-1-1 : 2002, BS EN 1991-1-3 : 2003 and BS EN 1991-1-4 : 2005, and their UK National Annexes.

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

9.1.7 Insulation materials to be used in conjunction with the system must be in accordance with the Certificate holder's instructions and be either:

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

9.2 Installation

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

9.2.2 Installation must be carried out in accordance with this Certificate and 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, clean and free from sharp projections such as nail heads and concrete nibs.

9.2.4 A suitable bitumen primer must be used for the preparation of substrates prior to the application of the system. The advice of the Certificate holder must be sought on suitable primers, but such advice is outside of the scope of this Certificate.

9.2.5 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.

9.2.6 The waterproofing layers must always be installed with staggered overlaps and in such a manner that no counter-seams in the direction of the outlets are made, where reasonably practical.

9.2.7 For warm roof specifications, the AVCL is rolled out onto the primed substrate, positioned and cut to length and applied to the substrate. The membrane must be completed at the edges at least 100 mm higher than the insulation boards.

9.2.8 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.

9.2.9 Torch bonding of Proteus Pro-Felt Endura AIRdhesive is achieved by melting its lower surface by torching and pressing the membrane down. Care must be taken not to overheat the membrane.

9.2.10 End laps and side laps for the capsheets must be a minimum of 80 mm wide and fully bonded, ensuring that a continuous bead of bitumen exudes from the lap.

9.2.11 Detailing must be carried out in accordance with the Certificate holder's instructions and following the guidelines specified in the *NFRC Safe2Torch Guidance - For the safe installation of torch-on reinforced bitumen membranes and use of gas torches in the workplace*.

9.2.12 The cold adhesive bonding of Proteus Pro-Felt Endura AIRdhesive is achieved using Pro-Membrane Adhesive, which is applied in beads across the width of the roll, in accordance with the Certificate holder's instructions.

9.2.13 The membrane is unrolled over the adhesive and pressed firmly into the adhesive with a weighted roller.

9.2.14 For mechanically fastened systems, the type of mechanical fixings used for the system will vary according to the type of deck and insulation used. The Certificate holder must be consulted for advice, but such advice is outside the scope of this Certificate.

9.2.15 Proteus Pro-Felt Endura AIRdhesive is unrolled over the substrate, with 120 mm side laps and end laps 80 mm wide.

9.2.16 The membrane is fixed to the deck (through insulation boards, where appropriate) in the joint overlaps with the fixing plates positioned at least 10 mm from the edge, prior to welding the joint. The fixings must be installed at centres calculated from the average wind force in that location up to a maximum spacing of 500 mm.

9.2.17 The laps are fully torch bonded, ensuring that a continuous bead of bitumen exudes from the lap.

9.2.18 In all cases, detailing must be carried out in accordance with the Certificate holder's instructions.

9.2.19 The NHBC requires that Proteus Pro-Felt Endura AIRdhesive, once installed, is inspected in accordance with *NHBC Standards 2024* Chapter 7.1, Clause 7.1.11, and undergo an appropriate integrity test, where required. Any damage 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 on the basis of the Certificate holder's information and BS 8217 : 2005. To achieve the performance described in this Certificate, the system must only be installed by contractors/installers who have been trained and approved by the Certificate holder.

9.4 Maintenance and repair

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

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

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

9.4.2.2 In the event of damage, the capsheet can be effectively repaired, after cleaning the surrounding areas, with a patch of the appropriate capsheet over the damaged area in accordance with the Certificate holder's instructions.

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 packaging bearing the component name and dimensions. The rolls are packed on pallets and shrink wrapped in polythene; the pallets bear a label with the component number and name, dimensions and batch number.

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 upright on a clean, level surface, away from excessive heat and kept under cover.

11.2.2 The self-adhesive components must be stored out of direct sunlight.

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 flexible waterproof 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 8217 : 2005 *Reinforced bitumen membranes for roofing — Code of practice*
- BS EN 1928 : 2000 *Flexible sheets for waterproofing — Bitumen, plastic and rubber sheets for roof waterproofing — Determination of watertightness*
- BS EN 1109 : 2013 *Flexible sheets for waterproofing — Bitumen sheets for roof waterproofing — Determination of flexibility at low temperature*
- BS EN 1991-1-1 : 2002 *Eurocode 1 — Actions on structures — General actions — Densities, self-weight, imposed loads for buildings*
- NA to BS EN 1991-1-1 : 2002 *UK National Annex to Eurocode 1 — Actions on structures — General actions — Densities, self-weight, imposed loads for buildings*
- BS EN 1991-1-3 : 2003 + A1 : 2015 *Eurocode 1 — Actions on structures — General actions — Snow loads*
- NA + A2 : 18 to BS EN 1991-1-3 : 2003 + A1 : 2015 *UK National Annex to Eurocode 1 — Actions on structures — General actions — Snow loads*
- BS EN 1991-1-4 : 2005 + A1 : 2010 *Eurocode 1 — Actions on structures — General actions — Wind actions*
- NA to BS EN 1991-1-4 : 2005 + A1 : 2010 *UK National Annex to Eurocode 1 — Actions on structures — General actions — Wind actions*
- BS EN 12310-1 : 2000 *Flexible sheets for waterproofing — 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 12316-1 : 2000 *Flexible sheets for waterproofing — Determination of peel resistance of joints — Part 1 : Bitumen sheets for roof waterproofing*
- 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 roof tests*
- EN 13707 : 2013 *Flexible sheets for waterproofing — Reinforced bitumen sheets for roof waterproofing — Definitions and characteristics*
- 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.