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Agrément Certificate
22/6497
Product Sheet 1 Issue 2

PROTEUS LIQUID APPLIED MEMBRANE WATERPROOFING SYSTEMS

PROTEUS PRO-COLD

This Agrément Certificate Product Sheet(1) relates to Proteus Pro-Cold(2), a liquid applied roof waterproofing system, for use on new and existing flat and pitched roofs of up to 70° pitch with limited access or pedestrian access, including terraces and balconies, and gutters.

(1) Hereinafter referred to as 'Certificate'.

(2) Proteus Pro-Cold 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 their intended use provided it is installed, used and maintained as set out in this Certificate.

On behalf of the British Board of Agrément

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Originally certified on 9 June 2023

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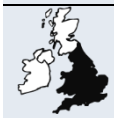
SUMMARY OF ASSESSMENT AND COMPLIANCE

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

Compliance with Regulations

Having assessed the key factors, the opinion of the BBA is that Proteus Pro-Cold, 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 use of the system on balconies 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 by 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 use of the system can satisfy this Regulation. See sections 8 and 9 of this Certificate.
Regulation:	**8(3)**	**Fitness and durability of materials and workmanship**
Comment:		The use of the system on balconies is restricted by this Regulation. See section 2 of this Certificate.
Regulation:	**9**	**Building standards – construction**
Standard:	2.2	Separation
Standard:	2.7	Spread on external walls
Comment:		The use of the system on balconies is restricted by these Standards, with reference to clauses 2.2.7(1) and 2.7.2(1)(2). 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 by this Standard, with reference to clause 2.8.1(1)(2). See section 2 of this Certificate.
Standard:	3.10	Precipitation
Comment:		The system will enable a roof to satisfy this Standard, with reference to clauses 3.10.1(1)(2) and 3.10.7(1)(2). See section 3 of this Certificate.
Standard:	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 – conversion**
Comment:		Comments given for 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 this Regulation. See section 3 of this Certificate.
Regulation:	**36(a)**	**External fire spread**
Comment:		The use of the system on balconies 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 system may enable a roof to be unrestricted by this Regulation. See section 2 of this Certificate.

Additional Information

NHBC Standards 2026

In the opinion of the BBA, Proteus Pro-Cold, 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.

The opinion of the BBA does not amount to any endorsement or approval by NHBC and does not in any way guarantee that NHBC will approve such product / system as compliant with the NHBC Technical Requirements and Standards.

Fulfilment of Requirements

The BBA has judged Proteus Pro-Cold to be satisfactory for use as described in this Certificate. The system has been assessed as liquid applied roof waterproofing, for use on new and existing flat and pitched roofs of up to 70° pitch with limited or pedestrian access, including terraces and balconies, and gutters.

ASSESSMENT

Product description and intended use

The Certificate holder provided the following description for the system under assessment. Proteus Pro-Cold consist of:

- Proteus Pro-Cold — a single component, moisture curing, thixotropic hybrid polyurea membrane installed by brush, roller or airless spray
- Proteus Pro-Cold Plus — a single component, elastic aliphatic polyurethane, UV resistant top coat, installed by brush, roller or airless spray, for use over the other membranes in exposed uses
- Pro-Force — a 225 $g \cdot m^{-2}$ glass reinforcement for the system
- Pro-Vapour Control/Carrier Membrane SA — a self-adhesive carrier membrane used over modular substrates with joints and as a separating layer underneath (carrying) Proteus Pro-Cold and for cracked mineral substrates. The Certificate holder's Technical Services can be contacted for further advice, but such advice is outside the scope of this Certificate
- Pro- Prime(1) SA — a synthetic, rubber-based primer for use with the self-adhesive carrier membranes.

(1) Pro-Prime is a registered trademark.

The system covered by the Certificate is Proteus Pro-Cold — Proteus Pro-Cold applied at 3.3 $kg \cdot m^{-2}$ minimum in two coats, with Pro-Force reinforcement embedded in the first coat.

Ancillary Items

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

- Proteus Pro-Cold Solvent Primer — a single component, solvent based, moisture curing polyurethane primer for use on concrete and bituminous membrane substrates
- Proteus Pro-Cold Primer WB — a two-component, water-based, epoxy primer for use on bitumen membranes and porous substrates.

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

- Pro-Quartz (0.5 – 1.0 mm), Pro-Quartz (0.7 – 1.2 mm), Pro-Aggregate EM (0.25 – 0.5 mm) or Pro-Aggregate EM (0.5 – 1.0 mm) — used in conjunction with Proteus Pro-Cold or Proteus Pro-Cold Plus to provide an anti-slip surface for pedestrian access areas
- Pro-Bitumen Carrier Membrane SA — a proprietary self-adhesive carrier membrane, including a glass facing on the top face, used over modular substrates with joints and as a separating layer underneath (carrying) Proteus Pro-Cold and for cracked mineral substrates
- Pro-Joint Tape SA – a self-adhesive reinforcing tape for specific points of weakness such as joints, cracks, protrusions, and junctions and coupling of same or different materials.

Applications

The system is intended for use on the following substrates:

- concrete
- reinforced bitumen membranes (including sanded and mineral surfaced bituminous membranes)
- Pro-Vapour Control/ Carrier Membrane SA

Definitions for products and applications inspected

The following terms have been 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
- pedestrian access roof — a roof subject only to foot traffic and gathering of people greater than required for maintenance
- 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 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 DD CEN/TS 1187 : 2012, Test 4 and classified to BS EN 13501-5 : 2016, the constructions given in Table 1 of this Certificate achieved $B_{ROOF}(t4)$ for slopes below 10°.

Table 1 External fire spread tests

Substrate(1)	Fibre cement board 5 to 20 mm thick	Fibre cement board ≥ 8 mm thick	
Base coat	Proteus Pro-Cold applied at a rate of 1.5 kg·m^{-2}	Proteus Pro-Cold applied at a rate of 2.0 kg·m^{-2}	Proteus Pro-Cold applied at a rate of 1.5 kg·m^{-2}
Reinforcement	Pro-Force		
Top coat	Proteus Pro-Cold, applied at 1.8 kg·m^{-2}	Proteus Pro-Cold applied at a rate of 3.9 kg·m^{-2}	Proteus Pro-Cold applied at a rate of 1.0 kg·m^{-2}
UV protection coat	—	—	Proteus Pro-Cold Plus applied at a rate of 0.3 kg·m^{-2}

(1) Outside the scope of this Certificate.

2.1.2 On the basis of data assessed, the constructions listed in Table 1 will be unrestricted by the documents supporting the national Building Regulations with respect to proximity to a relevant boundary.

2.1.3 The system will also be unrestricted by the documents supporting the national Building Regulations with respect to proximity to a relevant boundary, when used in conjunction with an inorganic covering listed in the Annex of Commission Decision 2000/553/EC.

2.1.4 The classification and permissible areas of use of other specifications must be confirmed by reference to the requirements of the documents supporting the national Building Regulations.

2.2 Reaction to fire

2.2.1 The Certificate holder has not declared a reaction to fire classification to BS EN 13501-1 : 2018 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 and Wales, unless covered with a protection with a reaction to fire class A1 or A2-s1, d0, for example 40 mm thick cast stone slabs, the system must not be used on balconies of residential buildings with a storey 11 m or more in height or balconies of buildings that have a storey at least 18 m above ground level and which contain: one or more dwellings, an institution, a room for residential purposes, student accommodation, care homes, sheltered housing, hospitals, dormitories in boarding schools, hotels, hostels or boarding houses.

2.2.4 In Northern Ireland, unless covered with a protection with a reaction to fire class A1 or A2-s1, d0, for example 40 mm thick cast stone slabs, the system must not be used on balconies of buildings that have a storey at least 18 m above ground level and which contain: one or more dwellings, an institution, a room for residential purposes (excluding any room in a hostel, hotel or boarding house), student accommodation, care homes, sheltered housing, hospitals, dormitories in boarding schools, nursing homes and places of lawful detention.

2.2.5 In Scotland, with the exception of use on balconies, the use of the system 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 2.

Table 2 Weathertightness

System assessed	Assessment method	Requirement	Result
Proteus Pro-Cold System	Watertightness to BS EN 1928 : 2000 Method B at 60 kPa	No leakage	Pass
Proteus Pro-Cold System	Water vapour diffusion – equivalent air layer thickness to BS EN 1931 : 2000 (23°C/75% RH)	Value achieved	5.39 m
Proteus Pro-Cold System - on Proteus Pro-Vapour Control/Carrier Membrane SA bonded to polyisocyanurate (PIR) insulation board	Resistance to delamination to EOTA TR 2004	≥ 50 kPa	Pass

3.1.2 The other system covered in the Certificate was assessed for watertightness, water vapour diffusion – equivalent air layer thickness and resistance to delamination using the data in Table 2.

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

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

3.1.5 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.

3.2 Resistance to mechanical damage

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

Table 3 Resistance to mechanical damage

System assessed	Assessment method	Requirement	Result
Proteus Pro-Cold System on steel	Dynamic indentation to EOTA TR-006 : 2004	Value achieved	
	Tested at 21°C		I_4
	Tested at –30°C		I_4
	Cured at 5°C, tested at 21°C		I_4
	Cured at 35°C, tested at 21°C		I_4
Proteus Pro-Cold System on mineral faced bitumen membrane on PIR insulation board	Tested at 20°C		I_3
Proteus Pro-Cold System on steel	Static indentation to EOTA TR-007 : 2004	Value achieved	
	Tested at 20°C		L_4
	Tested at 90°C		L_4
Proteus Pro-Cold System on mineral faced bitumen membrane on PIR insulation board	Tested at 20°C		L_4
Proteus Pro-Cold System	Tensile strength to BS EN ISO 527-4 : 1997	Value achieved	
	Control		979 N·(50 mm)$^{-1}$
	Cured at 5°C		945 N·(50 mm)$^{-1}$
	Cured at 35°C		1317 N·(50 mm)$^{-1}$
Proteus Pro-Cold System	Elongation at break to BS EN ISO 527-4 : 1997	Value achieved	
	Control		3.0%
	Cured at 5°C		3.5%
	Cured at 35°C		3.0%
Proteus Pro-Cold System	Resistance to fatigue movement to EOTA TR-008 : 2004 Tested at –10°C (1000 cycles)	Watertight and less than 75 mm delamination from the substrate	Pass

3.2.2 The other system covered in the Certificate was assessed for dynamic indentation, static indentation, tensile properties and fatigue cycling using the data in Table 3.

3.2.3 On the basis of data assessed, the system can accept, without damage, the limited foot traffic and light concentrated loads associated with installation, maintenance and pedestrian traffic on defined walkways and the effects of minor structural movement 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 of the membranes by sharp objects or concentrated loads.

3.2.5 The system 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

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 4.

Table 4 Durability

System assessed	Assessment method	Requirement	Result
Proteus Pro-Cold System - on concrete	Resistance to delamination to EOTA TR-004 : 2004 Exposure to water at 60°C for 96 days	≥ 50 kPa	Pass
Proteus Pro-Cold System - on Proteus Pro-Vapour Control/Carrier Membrane SA bonded to polyisocyanurate (PIR) insulation board			Pass
Proteus Pro-Cold System on mineral faced bitumen membrane	Exposure to water at 60°C for 60 days		Pass
Proteus Pro-Cold System on steel	Dynamic indentation to EOTA TR-006 : 2004	Value achieved	
	Heat aged at 80°C for 240 days		I_4
	UV aged for 1200 $MJ \cdot m^{-2}$ at 60°C		I_4
Proteus Pro-Cold System on steel	Static indentation to EOTA TR-007 : 2004	Value achieved	
	Exposure to water at 60°C for 96 days Tested at 90°C		L_4
Proteus Pro-Cold System	Tensile strength to BS EN ISO 527-4 : 1997	Value achieved	
	Heat aged at 80°C for 240 days		1389 $N \cdot (50\ mm)^{-1}$
	UV aged for 1200 $MJ \cdot m^{-2}$ at 60°C		1345 $N \cdot (50\ mm)^{-1}$
Proteus Pro-Cold System	Elongation at break to BS EN ISO 527-4 : 1997	Value achieved	
	Heat aged at 80°C for 240 days		2.6%
	UV aged for 1200 $MJ \cdot m^{-2}$ at 60°C		2.6%
Proteus Pro-Cold System	Resistance to fatigue movement to EOTA TR-008 : 2004 Heat aged at 80°C for 240 days Tested at -10°C (50 cycles)	Watertight and less than 75 mm delamination from the substrate	Pass

8.4 Service life

8.4.1 Under normal service conditions, the system will have a life in excess of 30 years, provided they are designed, installed and maintained in accordance with this Certificate and the Certificate holder's instructions.

8.4.2 In situations where maintenance or repair of any of the components in the roof structure are necessary (eg protection layer or insulation), the durability of the system may be reduced. In these circumstances, the Certificate holder must be consulted, but such advice is outside the scope of this Certificate.

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 meet 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 : 2025 and, where appropriate, *NHBC Standards* 2026, Chapter 7.1.

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

9.1.4 Terraces and balconies to which the system is to be applied, must be designed in accordance with BS 8579 : 2020.

9.1.5 In areas of pedestrian access, appropriate precautions against slip, such as the installation of paviours, must be taken.

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

9.1.7 Dead loads, wind loading and imposed loads must be calculated by a suitably experienced and competent individual in accordance with the principles of BS EN 1991-1-1 : 2002, BS EN 1991-1-3 : 2003 and BS EN 1991-1-4 : 2005, and their UK National Annexes.

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

- as described in the relevant clauses of BS 6229 : 2025, or
- the subject of a current BBA Certificate and used in accordance with, and within the scope 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 system must be carried out in accordance with this Certificate and the Certificate holder's instructions. A summary of guidance is provided in Annex A of this Certificate.

9.2.3 The system components must only be applied when the air and substrate temperatures are greater than 5°C, rising to a maximum air temperature of 35°C. The system must not be installed in rain, snow, fog or misty conditions.

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

9.2.5 Substrates on which the system is to be applied must be properly prepared in accordance with the Certificate holder's instructions.

9.2.6 Adhesion to substrates depends on the condition and cleanness of the substrate. Substrates must be visibly, dry, sound and free from loose materials or contamination (eg moss or algae). In cases of doubt, the advice of the Certificate holder's Technical Department must be sought, but such advice is outside the scope of this Certificate.

9.2.7 Any areas of fungal growth or moss must be treated with a proprietary anti-fungal solution to ensure that all spores are destroyed. The Certificate holder can advise on suitable materials for this purpose, but such advice and products are outside the scope of this Certificate.

9.2.8 High pressure sand-blasting or water-jetting must be used to remove loose or flaking materials and residues following treatment with the anti-fungal wash, but the substrate must be visibly dry before application of the system.

9.2.9 Damaged areas of the substrate, for example, blistered reinforced bitumen membranes, must be removed, replaced or repaired.

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

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

9.2.12 When using the carrier membranes, Pro- Prime SA is used to prepare the substrate to which the carrier membrane is to be applied at a coverage rate of 0.2 $l \cdot m^{-2}$.

9.2.13 Existing bituminous membranes may not require the application of primer. In such cases the advice of the Certificate holder's technical office must be sought, but such advice is outside the scope of this Certificate.

9.2.14 The primers must be applied at the coverage rate given in Table 5.

Table 5 Primer application rates

Primer	Application rate
Proteus Pro-Cold Solvent Primer	150 $g \cdot m^{-2}$
Proteus Pro-Cold Primer WB	100 to 150 $g \cdot m^{-2}$ (1)
Pro- Prime SA	0.2 $l \cdot m^{-2}$

(1) Primer diluted at a ratio of 1:1 with water.

9.2.15 Application can be by brush, roller or airless spray. Brush application is normally used for small roof areas and for embedding the reinforcement into the waterproofing.

9.2.16 When using an airless spray, the wind speed must be such that it does not interfere with the application or cause overspray. No attempt to spray must be made if the wind speed exceeds 6.7 $m \cdot s^{-1}$ (15 mph), unless precautions such as the use of wind barriers are taken.

9.2.17 The system must be applied at the application rates given in Table 6.

Table 6 Application rates

Layer	Systems	
	Proteus Pro-Cold (1)	Proteus Pro-Cold/ Proteus Pro-Cold Plus
Base coat	Proteus Pro-Cold at 1.50 $kg \cdot m^{-2}$ (1.00 $l \cdot m^{-2}$) minimum	Proteus Pro-Cold at 1.50 $kg \cdot m^{-2}$ (1.00 $l \cdot m^{-2}$) minimum
Reinforcement	Pro-Force	Pro-Force
Top coat	Proteus Pro-Cold at 1.80 $kg \cdot m^{-2}$ (1.20 $l \cdot m^{-2}$) minimum	Proteus Pro-Cold at 1.00 $kg \cdot m^{-2}$ (0.65 $l \cdot m^{-2}$) minimum
Protection coat	—	Proteus Pro-Cold Plus at 0.30 $kg \cdot m^{-2}$ (0.25 $l \cdot m^{-2}$)
Finished thickness (mm)	2.2(2)	1.9

(1) When the 5.9 $kg \cdot m^{-2}$ application rate is used the top coat (3.9 $kg \cdot m^{-2}$) can be applied either in one coat or two coats.
(2) Finished thickness of the 5.9 $kg \cdot m^{-2}$ application rate is 3.5 mm.

9.2.18 The top coats of the system is either applied wet on wet or as soon as the previous layer has cured allowing trafficking of the surface up to a maximum of seven days. After this period the membrane is cleaned and the surface reactivated by using Proteus Pro-Cold Solvent Primer, prior to application.

9.2.19 If Proteus Pro-Cold Plus is applied to provide UV protection coating as part of the system, it must be applied a maximum of 24 hours after the application of the second coat of the system.

9.2.20 The NHBC requires that the system, once installed, are inspected in accordance with *NHBC Standards* 2026, Chapter 7.1, Clause 7.1.11, including undergoing an appropriate integrity test, where required. Any damage to the system assessed in this Certificate must be repaired in accordance with section 9.4 of this Certificate and reinspected, in order to maintain system performance.

9.3 Workmanship

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

9.4 Maintenance and repair

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

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

9.4.2.1 The system must be the subject of six-monthly inspections and maintenance in accordance with the recommendations in BS 6229 : 2025, and the Certificate holder's own maintenance recommendations, where relevant, to ensure continued satisfactory performance.

9.4.2.2 If a leak occurs in the roof waterproof membrane in a protected specification, it must be repaired following removal of any system components above the waterproofing.

9.4.2.3 If minor damage occurs, it can be rectified by cleaning back to unweathered material and reactivating the surface and applying the system to the damaged area in accordance with the Certificate holder's instructions.

9.4.2.4 In the event of the system being contaminated by oil, grease or other chemicals, the advice of the Certificate holder must be sought, but such advice is outside the scope of this Certificate.

10 Manufacture

10.1 The production processes for the system's components 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's components are delivered to site in packaging bearing labels with the Certificate holder's name, product description, production batch code and product expiry date.

11.2 The system's components and ancillary items packaging type and size are given in Table 7.

Table 7 Packaging

Component/item	Package type	Size
Proteus Pro-Cold	metal cans	15 litres
Proteus Pro-Cold Plus	tins	15 litres
Proteus Pro-Cold Solvent Primer	metal cans	0.8 kg 4 kg 5 kg
Proteus Pro-Cold Primer WB	plastic cans	3 kg 16 kg
Pro- Prime SA	metal cans	5 litres 25 litres
Pro-Force	rolls	20 m^2 125 m^2 200 m^2
Pro-Vapour Control/Carrier Membrane SA	rolls	length 20 m or 40 m width 1080 mm roll weight 14 kg or 28 kg

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

11.3.1 The liquid components must be stored in a ventilated, dry location, in the original unopened sealed packaging at a temperature between 5 and 35°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's 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).

Additional information on installation

Installation must also be in accordance with the relevant clauses of Liquid Roofing and Waterproofing Association (LRWA) Note 7 - *Specifier Guidance for Flat Roof Falls.*

Bibliography

BS 6229 : 2025 *Flat roofs with continuously supported flexible waterproof coverings — Code of practice*

BS 8579 : 2020 *Guide to the design of balconies and terraces*

BS EN 1928 : 2000 *Flexible sheets for waterproofing — Bitumen, plastic and rubber sheets for roof waterproofing — Determination of watertightness*

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

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 13501-1 : 2018 *Fire classification of construction products and building elements — Classification using data from reaction to fire tests*
BS EN 13501-5 : 2016 *Fire classification of construction products and building elements — Classification using data from external fire exposure to roof tests*

BS EN ISO 527-4 : 1997 *Plastics — Determination of tensile properties — Test conditions for isotropic and orthotropic fibre-reinforced plastic composites*

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

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-013 : 2004 *Determination of crack-bridging capability.*

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
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- 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:

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