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Agrément Certificate

13/5042

Product Sheet 1 Issue 5

BRITANNIA PAINTS ROOF WATERPROOFING SYSTEMS

POLYSHIELD 15 ROOF WATERPROOFING SYSTEM

This Agrément Certificate Product Sheet⁽¹⁾ relates to the Polyshield 15 Roof Waterproofing System, a single-pack, rubber-based, cold liquid-applied reinforced coating for use on limited access flat and pitched roofs and protected zero fall cold roofs.

(1) Hereinafter referred to as 'Certificate'.

The assessment includes

Product factors:

- compliance with Building Regulations
- compliance with additional regulatory or non-regulatory information where applicable
- evaluation against technical specifications
- assessment criteria and technical investigations
- uses and design considerations

Process factors:

- compliance with Scheme requirements
- installation, delivery, handling and storage
- production and quality controls
- maintenance and repair

Ongoing contractual Scheme elements†:

- regular assessment of production
- formal 3-yearly review



KEY FACTORS ASSESSED

- Section 1. Mechanical resistance and stability
- Section 2. Safety in case of fire
- Section 3. Hygiene, health and the environment
- Section 4. Safety and accessibility in use
- Section 5. Protection against noise
- Section 6. Energy economy and heat retention
- Section 7. Sustainable use of natural resources
- Section 8. Durability

The BBA has awarded this Certificate to the company named above for the system described herein. This system has been assessed by the BBA as being fit for its intended use provided it is installed, used and maintained as set out in this Certificate.

On behalf of the British Board of Agrément

Date of Fifth issue: 11 October 2024

Originally certified on 27 September 2013

Hardy Giesler
Chief Executive Officer

Certificate amended on 27 May 2025 to revise section 2 and associated Building Regulations.

This BBA Agrément Certificate is issued under the BBA's Inspection Body accreditation to ISO/IEC 17020. Sections marked with † are not issued under accreditation.

The BBA is a UKAS accredited Inspection Body (No. 4345), Certification Body (No. 0113) and Testing Laboratory (No. 0357).

Readers MUST check that this is the latest issue of this Agrément Certificate by either referring to the BBA website or contacting the BBA directly.

The Certificate should be read in full as it may be misleading to read clauses in isolation.

Any photographs are for illustrative purposes only, do not constitute advice and should not be relied upon.

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SUMMARY OF ASSESSMENT AND COMPLIANCE

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

Compliance with Regulations

Having assessed the key factors, the opinion of the BBA is that the Polyshield 15 Roof Waterproofing System, if installed, used and maintained in accordance with this Certificate, can satisfy or contribute to satisfying the relevant requirements of the following Building Regulations:



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

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 use of 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:	2.8	Spread from neighbouring buildings
Comment:		The system, when applied to a suitable substructure, may enable a roof to be unrestricted by this Standard, with respect 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 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 - conversion
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)	Fitness of materials and workmanship
Comment:	(iii)(iv)(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 will enable a roof to satisfy 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 a suitable substructure, the system may enable a roof to be unrestricted by this Regulation. See section 2 of this Certificate.

Fulfilment of Requirements

The BBA has judged the Polyshield 15 Roof Waterproofing System to be satisfactory for use as described in this Certificate. The system has been assessed for use on limited access flat and pitched roofs and protected zero fall cold roofs.

ASSESSMENT

Product description and intended use

The Certificate holder provided the following description for the system under assessment. The Polyshield 15 Roof Waterproofing System consists of:

- Polyshield Primer — a rubber-based primer for preparation of substrates such as concrete, asphalt, timber and mineral finished bituminous membranes
- Britannia Zinc Phosphate Metal Primer — a primer for the preparation of metal substrates
- Britannia QD Universal Primer-Sealer — a primer for the preparation of single-ply membranes
- Polyshield 15 Basecoat — a single-pack, rubber-based, cold liquid-applied embedment and saturation layer, available in Light Grey and Eau de Nil
- Polyshield 15 Topcoat — a single-pack, rubber-based, cold liquid-applied roof waterproofing, available in Dark Grey, Black and Solar-reflective White and Eau de Nil
- Polyshield Scrim — a stitch-bonded polyester mesh for embedding into the basecoat and additional reinforcement for detailing, expansion joints and construction joints.

Polyshield Scrim has the nominal characteristics given in Table 1.

Table 1 Nominal characteristics of Polyshield Scrim

Characteristic (unit)	Value		
Mass per unit area (g·m ⁻²)		100	
Width (m)	0.1, 0.2	0.5	1.0
Length (m)	50	100	33, 100

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:

- Britannia Fungicidal Wash — for use in cleaning the substrate of moss and algae prior to the application of the system
- white spirit — for use in cleaning application equipment.

Applications

The system is intended for use on the following substrates:

- concrete
- mastic asphalt
- bituminous roofing membranes
- steel
- timber
- PVC plastisol coated metal
- PVC single-ply waterproofing membranes.

Definitions for products and applications inspected

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

- flat roofs – a minimum finished fall of 1:80
- pitched roofs – a roof having a fall in excess of 1:6
- zero fall roofs – a roof having a minimum finished fall of 1:80
- limited access roof – a roof subjected only to pedestrian traffic for maintenance of the roof covering, cleaning of gutters etc.

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 achieved the results below for slopes below 10°.

Table 2 External fire exposure classifications

	System 1 ⁽¹⁾	System 2 ⁽²⁾	System 3 ⁽³⁾
External fire performance	B _{ROOF} (t4)	B _{ROOF} (t4)	D _{ROOF} (t4)
Substrate	18 mm plywood ⁽⁴⁾	18 mm plywood ⁽⁴⁾	18 mm plywood ⁽⁴⁾
Primer	0.15 mm (dry) Polyshield 15 Primer	0.15 mm (dry) Polyshield 15 Primer	0.15 mm (dry) Polyshield 15 Primer
AVCL	0.6 mm thick Self Adhesive AVCL ⁽⁴⁾	0.6 mm thick Self Adhesive AVCL ⁽⁴⁾	-
Adhesive	Single Pack Polyurethane Adhesive ⁽⁴⁾	0.6 mm thick Self Adhesive AVCL ⁽⁴⁾	-
Insulation	190 mm thick Rockwool Insulation ⁽⁴⁾	130 mm Polyisocyanurate (PIR) Insulation ⁽⁴⁾	-
AVCL	0.6 mm thick Self Adhesive AVCL ⁽⁴⁾	0.6 mm thick Self Adhesive AVCL ⁽⁴⁾	-
Primer	0.15 mm (dry) Polyshield 15 Primer	0.15 mm (dry) Polyshield 15 Primer	-
Basecoat	Approx 0.5 mm (dry) Polyshield 15 Basecoat	Approx 0.5 mm (dry) Polyshield 15 Basecoat	Approx 0.5 mm (dry) Polyshield 15 Basecoat
Reinforcement layer	2 mm Polyester Scrim	2 mm Polyester Scrim	2 mm Polyester Scrim
Top layer	Approx 0.25 mm (dry) Polyshield 15 Topcoat (Dark Grey)	Approx 0.25 mm (dry) Polyshield 15 Topcoat (Dark Grey)	Approx 0.25 mm (dry) Polyshield 15 Topcoat (Dark Grey)

(1) Test and classification reports, EUI-24-RT4-000774A and EUI-24-000774A, respectively, issued by EFACTIS UK/Ireland Ltd. Copies available from the Certificate holder on request.

(2) Test and classification reports, EUI-24-RT4-000774C & BRE EUI-24-000774C, respectively, issued by EFACTIS UK/Ireland Ltd. Copies available from the Certificate holder on request.

(3) Test and classification reports, EUI-24-RT4-000774B & BRE EUI-24-000774B, respectively, issued by EFACTIS UK/Ireland Ltd. Copies available from the Certificate holder on request.

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

2.1.2 When tested to BS 476-3 : 2004 in the flat position, the construction given in Table 3 of this Certificate achieved a rating of EXT.F.AC⁽¹⁾ for a roof pitch of between 0° and 10°.

Table 3 External fire spread

Substrate	First layer	Second layer	Reinforcing layer	Top layer
18 mm plywood ⁽²⁾	1.6 mm sand finished bituminous membrane ⁽²⁾	Polyshield 15 Basecoat, applied at 1 l·m ⁻²	Polyshield Scrim	Polyshield 15 Topcoat, applied at 0.5 l·m ⁻²

(1) Fire test report, reference 317117 conducted by Bodycote Warringtonfire, available from the Certificate holder on request.

(2) This component is outside the scope of this Certificate.

2.1.3 On the basis of data assessed, the constructions given in Table 2 achieving B_{ROOF}(t4) will be unrestricted by the documents supporting the national Building Regulations with respect to proximity to a relevant boundary. The construction given achieving D_{ROOF}(t4) will be restricted by the documents supporting the national Building Regulations with respect to proximity to a relevant boundary. Restrictions may apply at junctions with compartment walls.

2.1.4 In Wales, Scotland and Northern Ireland, the construction given in Table 3, is unrestricted with respect to proximity to a relevant boundary, by the documents supporting the national Building Regulations.

2.1.5 In England, the test method BS 476-3 is not accepted as evidence of regulatory compliance and designers must seek guidance on the proposed use of the product from the relevant Building Control Body.

2.1.6 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.

2.1.7 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, the system, when used in pitches greater than 70°, excluding upstands, must not be used less than 1 m from a relevant boundary, 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, the system, when used for roof 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 area.

2.2.5 In Northern Ireland, when used in pitches greater than 70°, excluding upstands, the system does not achieve the minimum Class E reaction to fire classification to BS EN 13501-1 : 2018, and designers must seek guidance on the proposed use of the system from the relevant Building Control Body.

2.2.6 In Scotland, the system may be used without restriction in terms of 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 complete system, which must be established on a case-by-case basis.

3 Hygiene, health and the environment

Data were assessed for the following characteristics.

3.1 Weathertightness

3.1.1 Results of weathertightness tests are given in Table 4.

Table 4 Weathertightness

Product assessed	Assessment method	Requirement	Result
Polyshield 15 Topcoat	Watertightness to EOTA TR 003 : 2004 10 kPa pressure	No leakage	Pass
Polyshield 15 Topcoat	Equivalent air layer thickness (s_d) to BS EN 1931 : 2000 conditions 23°C/75% RH	Value achieved	113 m
Polyshield 15 Roof Waterproofing System on concrete:	Delamination to EOTA TR 004 : 2004	≥ 50 kPa	Pass
on asphalt:			Pass
on steel:			Pass
on mineral finished bituminous membrane:			Pass
on PVC:			Pass
on plywood			Pass

3.1.2 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.

3.1.3 The system will resist the effects of wind suction, elevated temperature and thermal shock 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 5.

<i>Table 5 Mechanical damage</i>			
Product assessed	Assessment method	Requirement	Result
Polyshield 15 Topcoat	Tensile strength to BS EN 12311-2 : 2000		
	Machine direction: Cross direction:	Value achieved	1000 N·(50 mm) ⁻¹ 643 N·(50 mm) ⁻¹
Polyshield 15 Topcoat	Elongation to BS EN 12311-2 : 2000		
	Machine direction: Cross direction:	Value achieved	81% 40%
Polyshield 15 Roof Waterproofing System	Dynamic indentation to EOTA TR 006 : 2004		
	On steel, tested at 23°C:	Value achieved	I ₄
Polyshield 15 Roof Waterproofing System on steel	Static indentation to EOTA TR 007 : 2004		
	tested at 23°C: tested at 80°C:	Value achieved	L ₄ L ₁
Polyshield 15 Roof Waterproofing System on concrete	Fatigue cycling to EOTA TR 008 : 2004 (500 cycles):	Watertight and less than 75 mm delamination from the substrate	Pass
Polyshield 15 Roof Waterproofing System	Resistance to sliding to EOTA TR 009 : 2004 On concrete, tested at 90° and 80°C:	No sliding	Pass

3.2.2 On the basis of data assessed, the system can accept, without damage, the limited foot traffic and light concentrated loads associated with installation and maintenance

3.2.3 Where traffic in excess of this is envisaged, such as for maintenance of lift equipment, a walkway must be provided, for example, using concrete slabs supported on bearing pads.

3.2.4 Whilst the system can withstand distributed loads, it can be damaged by sharp concentrated loads and these must be avoided.

3.2.5 On the basis of data assessed, 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 this system were assessed.

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

Table 6 Results of durability tests

Product assessed	Assessment method	Requirement	Result
Polyshield 15 Topcoat	Resistance to delamination to EOTA TR 004 : 2004 On asphalt, after water exposure at 60°C for 108 days:	≥ 50 kPa	Pass
Polyshield 15 Topcoat	Tensile strength to BS EN 12311-2 : 2000 After heat ageing at 80°C for 100 days Machine direction: Cross direction:	Value achieved	1013 N·(50 mm) ⁻¹ 1136 N·(50 mm) ⁻¹
	After UV ageing for 400 MJ·m ⁻² Machine direction: Cross direction:		952 N·(50 mm) ⁻¹ 987 N·(50 mm) ⁻¹
Polyshield 15 Topcoat	Elongation to BS EN 12311-2 : 2000 After heat ageing at 80°C for 100 days Machine direction: Cross direction:	Value achieved	54% 62%
	After UV ageing for 400 MJ·m ⁻² Machine direction: Cross direction:		53% 54%
Polyshield 15 Roof Waterproofing System	Dynamic indentation to EOTA TR 006 : 2004 On steel, after heat ageing at 80°C for 100 days, tested at -20°C: On steel, after UV ageing for 400 MJ·m ⁻² , tested at 23°C:	Value achieved	I ₄ I ₄
Polyshield 15 Roof Waterproofing System	Static indentation to EOTA TR 007 : 2004 On steel, after water exposure at 60°C for 108 days, tested at 23°C: On steel, after water exposure at 60°C for 108 days, tested at 60°C:	Value achieved	L ₄ L ₁
Polyshield 15 Roof Waterproofing System	Fatigue cycling to EOTA TR 008 : 2004 On concrete, after heat ageing at 80°C for 100 days (50 cycles):	No damage	Pass

8.3 Service life

Under normal service conditions, the system will have a life of at least 15 years, provided it is designed, installed and maintained in accordance with this Certificate and the Certificate holder's instructions.

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.

9.1.3 When 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 Detailing requirements, eg at service penetrations and movement joints, must be evaluated on a case-by-case basis. The Certificate holder can advise of suitable details for a particular application, but such advice is outside the scope of this 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 the relevant clauses of BS 8000-0 : 2014, BS 8000-4 : 1989, the Certificate holder's instructions and this Certificate.

9.2.3 Installation must not be carried out during inclement weather (eg rain, fog or snow). Application of the system must be carried out at a minimum temperature of 2°C and a maximum of 35°C. When the temperature is below 5°C, suitable precautions against surface condensation on the substrate must be taken.

9.2.4 Substrates on which the system is to be applied must be sound, dry, frost-free, clean and free from sharp projections such as nail heads and concrete nibs. The Certificate holder's advice must be sought on suitable cleaning procedures and the use of a proprietary surface cleaner/fungicidal wash, but such advice and materials are outside the scope of this Certificate.

9.2.5 Adhesion checks must be carried out on all substrates prior to the installation of the system to ensure that the system is compatible with the substrate and to determine whether the surface requires priming before application.

9.2.6 Prior to application of the system, some features must be treated or prepared in accordance with the Certificate holder's instructions, including:

- defects in existing waterproofing layers, eg cracks and blisters
- expansion or construction joints (these must be additionally reinforced prior to the application of the main waterproofing layer)
- detailing, such as upstands and penetrations
- large cracks in the substrate.

9.2.7 Concrete, mastic asphalt, timber and mineral finished bituminous membrane substrates are primed using Polyshield Primer prior to the application of the main waterproofing. The primer is applied by brush or roller at a rate of up to 5 m²·l⁻¹, depending on the porosity of the substrate. Application of the main waterproofing can take place once the primer is touch dry.

9.2.8 Metal substrates are primed using Britannia Zinc Phosphate Metal Primer prior to the application of the main waterproofing. The primer is applied by brush or roller at a rate of up to 13 m²·l⁻¹ and an approximate thickness of 35 µm. Application of the main waterproofing can take place a minimum of two hours after priming.

9.2.9 PVC single-ply membranes are primed using Britannia QD Universal Primer-Sealer prior to the application of the main waterproofing. The primer is applied by brush or roller at a rate of up to 10 m²·l⁻¹.

9.2.10 The waterproofing layers are applied using either a brush or roller.

9.2.11 The basecoat is applied at the application rates given in section 9.2.14 and may require a two-coat application, depending on the roughness of the substrate.

9.2.12 Polyshield Scrim is embedded into the wet basecoat, using a roller to ensure that the scrim is well saturated and there are no wrinkles in the scrim. If the scrim has a dry appearance when embedded, additional Polyshield 15 Basecoat is applied with a roller until the scrim is saturated. Adjacent runs of the scrim must be overlapped by at least 75 mm.

9.2.13 When the basecoat is completely dry, the topcoat is applied at the application rates given in section 9.2.14. The basecoat must be clean prior to the application of the topcoat. Where it is not, the advice of the Certificate holder must be sought on cleaning, but such advice is outside the scope of this Certificate.

9.2.14 Application rates for different substrate types are given in Table 7.

Table 7 Application rates for different substrate types

Substrate type	Application rate (l·m ⁻²)	
	Basecoat	Topcoat
Smooth	1.00	0.75
Intermediate	1.25 in two coats	0.75
Rough	1.5 in two coats	0.50 (first coat), 0.75 (second coat)

9.2.15 At each stage of coating, a check must be made for the presence of pinholing and uncoated areas, which must be rectified by applying additional Polyshield 15 Topcoat as necessary.

9.3 Workmanship

Practicability of installation was assessed, on the basis of the Certificate holder's information. To achieve the performance described in this Certificate, installation of the system must 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 BS 6229 : 2018 and the Certificate holder's recommendations, where relevant, to ensure continued satisfactory performance.

9.4.2.2 The repair of minor damage can be achieved effectively by cleaning back to unweathered material and applying the system to the damaged area at the appropriate application rate stated in section 9.2.14. In cases of doubt, 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 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 system component name, Certificate holder's name, batch number, colour, volume, health and safety information and weight of contents in litres. Table 8 gives the packaging sizes.

Table 8 Liquid component — can size and shelf-life

Component	Can size (litres)
Polyshield 15 Basecoat/Topcoat	5 and 20
Polyshield Primer	5 and 20
Britannia Zinc Phosphate Metal Primer	1 and 5
Britannia QD Universal Primer-Sealer	5 and 20

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

11.2.1 Polyshield Scrim must be stored under cover in a dry and clean environment.

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).

Management Systems Certification for production

The management system of the manufacturer has been assessed and registered as meeting the requirements of ISO 9001 : 2015 by ISOQAR Ltd Manchester (Certificate 8516-QMS-001).

Additional information on installation

Design

A.1 Recommendations for the design of roof falls, in particular zero fall roofs, are available in the *Liquid Roofing and Waterproofing Association (LRWA) Note 7 — Specifier Guidance for Flat Roof Falls*.

Installation

A.2 Additional guidance on installation can be found in *Liquid Roofing and Waterproofing Association (LRWA) Note 7 — Specifier Guidance for Flat Roof Falls*.

Bibliography

BS 476-3 : 2004 *Fire tests on building materials and structures — Classification and method of test for external fire exposure to roofs*

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

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

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

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

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

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

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

BS EN 12311-2 : 2000 *Flexible sheets for waterproofing — Determination of tensile properties*

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

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 009 : 2004 *Determination of the resistance to sliding*

Conditions of Certificate

Conditions

1 This Certificate:

- relates only to the product that is named and described on the front page
- is issued only to the company, firm, organisation or person named on the front page – no other company, firm, organisation or person may hold or claim that this Certificate has been issued to them
- is valid only within the UK
- has to be read, considered and used as a whole document – it may be misleading and will be incomplete to be selective
- is copyright of the BBA
- is subject to English Law.

2 Publications, documents, specifications, legislation, regulations, standards and the like referenced in this Certificate are those that were current and/or deemed relevant by the BBA at the date of issue or reissue of this Certificate.

3 This Certificate will be displayed on the BBA website, and the Certificate Holder is entitled to use the Certificate and Certificate logo, provided that the product and its manufacture and/or fabrication, including all related and relevant parts and processes thereof:

- are maintained at or above the levels which have been assessed and found to be satisfactory by the BBA
- continue to be checked as and when deemed appropriate by the BBA under arrangements that it will determine
- are reviewed by the BBA as and when it considers appropriate.

4 The BBA has used due skill, care and diligence in preparing this Certificate, but no warranty is provided.

5 In issuing this Certificate the BBA is not responsible and is excluded from any liability to any company, firm, organisation or person, for any matters arising directly or indirectly from:

- the presence or absence of any patent, intellectual property or similar rights subsisting in the product or any other product
- the right of the Certificate holder to manufacture, supply, install, maintain or market the product
- actual installations of the product, including their nature, design, methods, performance, workmanship and maintenance
- any works and constructions in which the product is installed, including their nature, design, methods, performance, workmanship and maintenance
- any loss or damage, including personal injury, howsoever caused by the product, including its manufacture, supply, installation, use, maintenance and removal
- any claims by the manufacturer relating to UKCA marking and CE marking.

6 Any information relating to the manufacture, supply, installation, use, maintenance and removal of this product which is contained or referred to in this Certificate is the minimum required to be met when the product is manufactured, supplied, installed, used, maintained and removed. It does not purport in any way to restate the requirements of the Health and Safety at Work etc. Act 1974, or of any other statutory, common law or other duty which may exist at the date of issue or reissue of this Certificate; nor is conformity with such information to be taken as satisfying the requirements of the 1974 Act or of any statutory, common law or other duty of care.

British Board of Agrément

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