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Agrément Certificate
23/6727
Product Sheet 1 Issue 1

STRATA ROOF WATERPROOFING SYSTEMS

STRATASHIELD RAPIDE SYSTEM

This Agrément Certificate Product Sheet(1) relates to the Stratashield Rapide System, a liquid-applied, hot spray, two-part polyurea, for use as a waterproofing layer on flat or pitched roofs with limited or pedestrian access.

(1) Hereinafter referred to as 'Certificate'.

The assessment includes

Product factors:

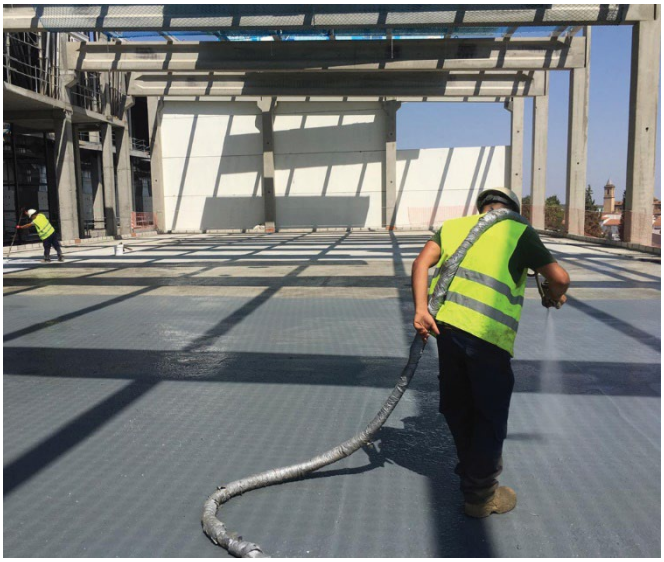
- compliance with Building Regulations
- compliance with additional regulatory or non-regulatory information where applicable
- evaluation against technical specifications
- assessment criteria and technical investigations
- uses and design considerations

Process factors:

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

Ongoing contractual Scheme elements†:

- regular assessment of production
- formal 3-yearly review



KEY FACTORS ASSESSED

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

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

On behalf of the British Board of Agrément

Date of issue: 22 March 2023

Hardy Giesler
Chief Executive Officer

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

The BBA is a UKAS accredited Inspection Body (No. 4345), Certification Body (No. 0113) and Testing Laboratory (No. 3537).

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.

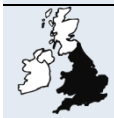
Any photographs are for illustrative purposes only, do not constitute advice and should not be relied upon.

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 Stratashield Rapide 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 product 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 product may enable a roof to be unrestricted under this Requirement. See section 2 of this Certificate.
Requirement:	**C2(b)**	**Resistance to moisture**
Comment:		The product will enable a roof to satisfy this Requirement. See section 3 of this Certificate.
Regulation:	**7(1)**	**Materials and workmanship**
Comment:		The product is acceptable. See sections 8 and 9 of this Certificate.

The Building (Scotland) Regulations 2004 (as amended)

Regulation:	**8(1)(2)**	**Fitness and durability of materials and workmanship**
Comment:		The product satisfies the requirements of this Regulation. See sections 8 and 9 of this Certificate.
Regulation:	**9**	**Building standards applicable to construction**
Standard:	2.6	Spread to neighbouring buildings
Comment:		The product is restricted under clause 2.6.4(1)(2) of this Standard, in some circumstances. See section 2 of this Certificate.
Standard:	2.7	Spread on external walls
Comment:		Use of the product is restricted under clause 2.7.2(1)(2) of this Standard. See section 2 of this Certificate.
Standard:	2.8	Spread from neighbouring buildings
Comment:		On a suitable substructure, the product may enable a roof to be unrestricted under this Standard, with reference to clause 2.8.1(1)(2). See section 2 of this Certificate.
Standard:	3.10	Precipitation
Comment:		The product will enable a roof to satisfy the requirements of 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 product can contribute to meeting 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 applicable to conversions**
Comment:		Comments in relation to the product under Regulation 9, Standards 1 to 6 also apply to this Regulation, with reference to clause 0.12.1[(1)(2)] and Schedule 6[(1)(2)]. (1) Technical Handbook (Domestic). (2) Technical Handbook (Non-Domestic).

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

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

Additional Information

NHBC Standards 2023

In the opinion of the BBA, the Stratashield Rapide 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 product when installed and used in accordance with this Certificate, can satisfy or contribute to satisfying the relevant requirements in relation to *NHBC Standards for Conversions and Renovations*, taking account of other relevant guidance within the chapter and the suitability of the substrate to receive the system.

The NHBC do not cover the refurbishment of existing roofs.

Fulfilment of Requirements

The BBA has judged the Stratashield Rapide System to be satisfactory for use as a waterproofing layer described in this Certificate. The product has been assessed for use as a waterproofing layer on flat or pitched roofs with limited or pedestrian access.

ASSESSMENT

Product description and intended use

The Certificate holder provided the following description for the product under assessment consists of:

- StrataShield Rapide — a three-part polyurea, for use as the waterproofing layer, Part A amine-terminated compounds, Part B isocyanate and Part C pigmented paste
- Rayston Epoxy 100 — a low-viscosity, solvent-free epoxy primer for surface preparation of porous and dry substrates
- StrataShield HP — a water-dispersed epoxy primer for surface preparation of porous and slightly moist substrates
- StrataShield Sealer Coat Trans — a single-component, moisture cured, aliphatic polyurethane UV protection coating. The coating is clear and can be pigmented using a colour paste at 20%
- StrataShield Sealer Coat — a single-component, moisture-cured, aliphatic polyurethane UV protection coating. It is supplied either pigmented for standard colours, or clear for pigmentation with colour paste, at 20%, for non-standard colours
- Impertrans Eco — a two-component, waterborne, aliphatic polyurethane UV protection coating.

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

- Impermax QC — a one-component, liquid-applied, moisture-cured, polyurethane, reinforced with Rayston Fiber 150 (a glass fibre mat), for use for minor repairs and some details (for example, small hidden areas that are difficult to reach with a spraying gun).

Applications

The product is intended for use as a waterproofing layer on flat or pitched roofs with limited or pedestrian access. The product is suitable for use on the following substrates:

- concrete (including damp concrete)
- mortar
- ceramic
- wood
- metal
- polyurethane foam insulation with a density greater than or equal to 50 $kg \cdot m^{-3}$.

Decks to which the product is to be applied must comply with the relevant requirements of BS 6229 : 2018 and, where appropriate, *NHBC Standards* 2023, Chapter 7.1.

Definitions for products and applications inspected

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

Product assessment – key factors

The product was assessed for the following key factors, and the outcome of the assessments are shown below. Conclusions 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 and classified in accordance with BS EN 13501-5 : 2016, the following flat roof system was designated B_{ROOF}(t4):

- a layer of pigmented StrataShield Sealer Coat at a coverage rate of 0.3 kg·m^{-2} (0.15 mm thick)
- a layer of StrataShield Rapide applied at a coverage rate of 2.0 kg·m^{-2} (1.9 mm thick)
- a coat of Rayston Epoxy 100 primer applied at a coverage rate of 0.5 kg·m^{-2} (0.4 mm thick)
- 12 mm calcium silicate board substrate.

2.1.2 On basis of data assessed, the Stratashield Rapide System will be unrestricted by the documents supporting the national Building Regulations with respect to proximity to a boundary.

2.1.3 The designation and permissible areas of use of other specifications should 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 for the Stratashield Rapide System.

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

2.2.3 In England, the product, when used in pitches of greater than 70°, excluding upstands, should not be used less than 1 m from a boundary, or on residential buildings that have a storey at least 11 m above ground level or on other buildings more than 18 m in height. Restrictions apply on assembly and recreation buildings. These constructions should also be included in calculations of unprotected area.

2.2.4 In Wales, the product, when used in pitches greater than 70°, excluding upstands, should not be used less than 1 m from a boundary, or on other buildings more than 18 m in height. Restrictions apply on assembly and recreation buildings. These constructions should also be included in calculations of unprotected area.

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

3 Hygiene, health and the environment

Data were assessed for the following characteristics.

3.1 Weathertightness

Results of weathertightness tests are given in Table 1.

Table 1 Results of weathertightness tests

Product assessed	Assessment method	Requirement	Result
Stratashield Rapide	Watertightness to EOTA TR003	No leakage after 24 hour exposure to 1 metre head of water	Pass
Stratashield Rapide	Resistance to water vapour to EN 1931 : 2000	μ >1000	Pass
Stratashield Rapide	Resistance to delamination to EOTA TR-004		
	substrate:	> 50 KPa	
	- concrete		Pass
	- ceramic		Pass
	- polyurethane insulation		Pass
	- day joint on concrete		Pass

3.1.1 On the basis of data assessed, the Stratashield Rapide System will adequately resist the passage of moisture into the interior of a building and will enable a roof to comply with the requirements of the national Building Regulations.

3.1.2 The adhesion of the product to concrete is sufficient to resist the effects of wind suction, thermal cycling or other minor structural movement likely to occur in service. Acceptable adhesion to substrates other than listed in the Applications part of this Certificate should be confirmed by test.

3.2 Resistance to mechanical damage

Results of resistance to mechanical damage tests are given in Table 2.

Table 2 Mechanical damage tests

Product assessed	Assessment method	Requirement	Result
Stratashield Rapide	Dynamic indentation to EOTA TR 006 tested at 23°C	Value achieved	
	substrate:		
	- steel		I_4
	- polyurethane insulation		I_4
Stratashield Rapide	Static indentation to EOTA TR 007 tested at 23°C	Value achieved	
	substrate:		
	- steel		L_4
	- polyurethane insulation		L_4
Stratashield Rapide	Fatigue cycling to EOTA TR 008 1000 cycles at -10°C	No evidence of leakage after 24 hours exposure to 100 mm head of water. No debonding, or if any not exceeding 75 mm in total or 50 mm on one side of the gap	Pass
Stratashield Rapide	Tensile strength to BS EN ISO 527-3 : 2018	Value Achieved	15 MPa
Stratashield Rapide	Elongation to BS EN ISO 527-3 : 2018	Value Achieved	377%

3.2.1 On the basis of data assessed, the product can accept, without damage, the limited foot traffic and light concentrated loads associated with installation, maintenance and pedestrian traffic(1). However, care must be taken to avoid puncture by sharp objects or concentrated loads.

(1) When used with a suitable paving or tiles on a sand or mortar bed.

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

4 Safety and accessibility in use

Not applicable.

5 Protection against noise

Not applicable.

6 Energy economy and heat retention

Not applicable.

7 Sustainable use of natural resources

Not applicable.

8 Durability

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

8.2 Specific test data were assessed as given in Table 3.

Table 3 Results of durability tests

Product assessed	Assessment method	Requirement	Result
Stratashield Rapide	Resistance to dynamic indentation to EOTA TR-006 Heat aged at 80°C for 200 days tested at -20°C substrate: - steel - polyurethane insulation UV aged for 5000 hours of UV radiation Tested at -10°C substrate: - steel - polyurethane insulation	Value achieved	 I_4 I_4 I_4 I_4
Stratashield Rapide	Fatigue to EOTA TR 008 Heat aged at 80°C for 200 days 50 cycles at -10°C	No evidence of leakage after 24 hours exposure to 100 mm head of water. No debonding, or if any not exceeding 75 mm in total or 50 mm on one side of the gap	Pass
Stratashield Rapide	Static indentation to EOTA TR 007 Water exposure at 60°C for 180 days Tested at 90°C substrate: - steel - polyurethane insulation	Value achieved	 L_4 L_4
Stratashield Rapide	Resistance to delamination to EOTA TR 004 Water exposure at 60°C for 180 days substrate: - concrete - PU insulation of density 50 kg·m^{-3} - PU insulation of density 150 kg·m^{-3}	> 50 KPa	 Pass Pass Pass
Stratashield Rapide	Tensile strength to BS EN ISO 527-3 : 2018 Heat aged to 80°C for 200 days	Value Achieved	18 MPa
Stratashield Rapide	Elongation to BS EN ISO 527-3 : 2018 Heat aged to 80°C for 200 days	No significant deterioration	Pass

Service life

8.3 Under normal service conditions, the product will have a life of at least 25 years, provided it is designed, installed and maintained in accordance with this Certificate and the Certificate holder's instructions.

PROCESS ASSESSMENT

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

9 Design, installation, workmanship and maintenance

9.1 Design

9.1.1 Decks to which the product is to be applied must comply with the relevant requirements of BS 6229 : 2018 and, where appropriate, *NHBC Standards* 2023, Chapter 7.1.

9.1.2 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.

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

9.1.4 Insulation materials to be used in conjunction with the product must be in accordance with the Certificate holder's instructions and be the subject of a current BBA Certificate and used in accordance with, and within the scope of, that Certificate.

9.1.5 The NHBC requires that the roof membranes, once installed, be inspected in accordance with of *NHBC Standards* 2023, Chapter 7.1, Clause 7.1.12, including the use of an appropriate integrity test, where required. Any damage to the membrane must be repaired in accordance with section 9.4 of this Certificate and reinspected.

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 StrataShield Rapide System must be in accordance with the relevant clauses of BS 8000-0 : 2014, BS 8000-4 : 1989, BS 6229 : 2018.

9.2.3 Installation must not be carried out during inclement weather (eg rain, fog or snow), and the ambient temperature at the time of laying must be between 5 and 40°C, with the substrate temperature a minimum of 3 to 4°C above the dew point.

9.2.4 The wind speed must be such that it does not interfere with the application or cause overspray. No attempt to spray should 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.

9.2.5 Substrates to which the product is to be applied must be sound, dry, clean and free from sharp projections such as nail heads and concrete nibs. The Certificate holder's advice should be sought for suitable cleaning procedures and the use of a proprietary surface cleaner/HSE-approved fungicidal wash.

9.2.6 Previously coated areas must be checked for integrity and adequate adhesion to the substrate. Defects such as cracks and blisters must be repaired prior to application of the systems in accordance with the Certificate holder's instructions.

9.2.7 The Certificate holder's recommendations for the preparation of substrates that contain more than 4% humidity should be followed.

9.2.8 The product is not self-levelling and can only accommodate small changes in level; the Certificate holder's instructions on ensuring the substrate is suitably even must be followed.

9.2.9 When installing over porous substrates, Rayston Epoxy 100 is used to seal the surface prior to the application of the product, in accordance with the Certificate holder's installation instructions.

9.2.10 Application of the product is carried out using hot spray equipment, with the two components mixed in the spray equipment.

9.2.11 Pigment paste is added to Component A and blended using a low shear mixer until homogenous, taking care to minimise entrapped air.

9.2.12 The pigmented Component A and B are connected to the spray apparatus and a test spray carried out, prior to application to the substrate, over a dry polyethylene film to ensure the two components are mixing at the correct proportions in the machine.

9.2.13 The machine parameters are set as follows:

- component A temperature 55 to 65°C
- component B temperature 65 to 70°C
- spray pressure 140 bar (14 MPa).

9.2.14 The product is applied at an application rate of 2.0 $kg \cdot m^{-2}$ giving a finished thickness of 1.9 mm. The gel time is three seconds, with a tack free time of a maximum of 20 seconds; the product achieves full physical properties 24 hours after application.

9.2.15 The membrane is protected with either bonded tiles installed in accordance with the Certificate holder's instructions, or one of the following aliphatic surface finishes, cold hand-applied, at the recommended rate given in Table 6.

Table 6 Application rates

Surface finish	Application rate ($kg \cdot m^{-2}$)
StrataShield Sealer Coat(pigmented)	0.25 to 0.35 in one or two coats
StrataShield Sealer Coat Trans (pigmented)	0.25 to 0.35 in one or two coats
Impertrans Eco	0.25 to 0.35 in one or two coats

9.2.16 The aliphatic top coats are applied a minimum of 30 minutes, to a maximum of four hours, after the application of the product. The protective coats are always used pigmented paste, otherwise the polyurea is not protected from the effect of UV radiation, which discolours the membrane.

9.2.17 If required, an anti-skid finish can be achieved by the addition of an anti-slip additive to an additional thin layer of one of the aliphatic top coats.

9.2.18 The protective coats are completely dry after 24 hours, but it is recommended that the surface is not subjected to heavy traffic for seven days.

9.2.19 The NHBC requires that the roof membranes, once installed, are inspected in accordance with *NHBC Standards* 2023, Chapter 7.1, Clause 7.1.12, including undergoing an appropriate integrity test, where required. Any damage to the membrane must be repaired in accordance with section 9.4 of this Certificate and reinspected, in order to maintain product performance.9.3 Workmanship

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

9.3.2 Details of the approved installers are available from the Certificate holder.

9.4 Maintenance and repair

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

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

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

9.4.3 Maintenance must include checks and operations to ensure that the membrane and drainage outlets are free from the build-up of silt and other debris.

9.4.4 Damage to the product must be repaired as soon as possible to ensure that waterproofing integrity is maintained.

9.4.5 Minor repairs are carried out in accordance with the Certificate holder's instructions using Impermax QC, reinforced with Rayston Fiber 150. The Impermax QC is overlapped of minimum of 30 mm over the surrounding membrane. For larger repairs the affected area is resprayed with the StrataShield Rapide System in accordance with the Certificate holder's instructions.

10 Manufacture

10.1 The production processes for the product have been assessed, and provide assurance that the quality controls are satisfactory according to the following factors:

10.1.1 The manufacturer has provided documented information on the materials, processes, testing and control factors.

10.1.2 The quality control operated over batches of incoming materials has been assessed and deemed appropriate and adequate.

10.1.3 The quality control procedures and product testing to be undertaken have been assessed and deemed appropriate and adequate.

10.1.4 The process for management of non-conformities has been assessed and deemed appropriate and adequate.

10.1.5 An audit of each production location was undertaken, and it was confirmed that the production process was in accordance with the documented process, and that equipment has been properly tested and calibrated.

†10.2 The BBA has undertaken to carry out the above measures on a regular basis through a surveillance process, to verify that the specifications and quality control operated by the manufacturer are being maintained.

11 Delivery and site handling

11.1 The Certificate holder stated that the product is delivered to site in packaging bearing the Certificate holder's name, product description and the appropriate hazard and risk labels (see Annex A). They have a storage life of 12 months and are available in the pack sizes detailed in Table 4.

Table 4 Pack sizes

Component	Pack sizes (kg)
StrataShield Rapide	
Component A	18.5 and 185
Component B	21 and 211
Component C	0.5 and 4
Rayston Epoxy 100	
Component A	10
Component B	5
StrataShield HP	
Component A	1.4 and 5.2
Component B	3.6 and 12.8
StrataShield Sealer Coat Trans	4 and 20
StrataShield Sealer Coat	4 and 20 (clear) 5 and 25 (pigmented)
Impertrans Eco	
Component A	14
Component B	1

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

- all containers must be stored under cover in a cool, dry, ventilated location away from other chemicals and any source of ignition
- storage temperatures should be between 10 and 30°C
- each container carries a label bearing the manufacturer's name, product name and health and safety information. The Certificate holder's product data sheets should be consulted for details.

ANNEX A – SUPPLEMENTARY INFORMATION †

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

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

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

CLP Regulation 2008

The Certificate holder has taken the responsibility of classifying and labelling the product and/or components under the *CLP Regulation (EC) No 1272/2008 on the classification, labelling and packaging of substances and mixtures*. Users must refer to the relevant Safety Data Sheet(s).

Additional information on installation

General

A.1 Where applicable, the Certificate holder must be consulted for advice on suitable protection (for example, at upstands, around drains and other penetrations) depending on the use of the roof, but such advice is outside the scope of this Certificate.

A.2 Installation should also be in accordance with the relevant clauses of Liquid Roofing and Waterproofing Association (LRWA) Note 7 - *Specifier Guidance for Flat Roof Falls, the Certificate holder's instructions and this certificate.*

Maintenance and Repair

A.3 In the event of the product being contaminated by oil, grease or other chemicals, the advice of the Certificate holder must be sought.

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

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

EN ISO 527-3 : 2018 Plastics – Determination of tensile properties – Test conditions for films and sheets.

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

EOTA Technical Report TR003: May 2004 Determination of watertightness

EOTA Technical Report TR004: May 2004 Determination of the resistance to delamination

EOTA Technical Report TR006: May 2004 Determination of resistance to dynamic indentation

EOTA Technical Report TR007: May 2004 Determination of resistance to static indentation

EOTA Technical Report TR008 : May 2004 Determination of resistance to fatigue movement

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 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.

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