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Agrément Certificate
14/5170
Product Sheet 1

PITCHMASTIC PmB ROOF WATERPROOFING SYSTEM

BLUESHIELD PmB ROOF WATERPROOFING SYSTEM

This Agrément Certificate Product Sheet⁽¹⁾ relates to the Blueshield PmB Roof Waterproofing System, a two-part polyurethane, spray-applied system for use as an elastomeric waterproofing layer on pitched, flat and completely flat roofs, and in protected roof, roof garden and green roof specifications on new or existing roofs.

(1) Hereinafter referred to as 'Certificate'.

CERTIFICATION INCLUDES:

- factors relating to compliance with Building Regulations where applicable
- factors relating to additional non-regulatory information where applicable
- independently verified technical specification
- assessment criteria and technical investigations
- design considerations
- installation guidance
- regular surveillance of production
- formal three-yearly review.



KEY FACTORS ASSESSED

Weathertightness — the system will resist the passage of moisture into the building (see section 6).

Properties in relation to fire — the system will enable a roof, when used with a suitable protection, to be unrestricted under the Building Regulations (see section 7).

Resistance to wind uplift — the system will resist the effects of any likely wind suction acting on the roof (see section 8).

Resistance to foot traffic — the system will accept, without damage, the foot traffic and loads associated with installation (see section 9).

Resistance to penetration of roots — the system will resist the penetration of roots (see section 10).

Durability — under normal service conditions the system will provide a durable roof waterproofing with a service life in excess of 25 years (see section 12).

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

A handwritten signature in black ink, appearing to read 'Simon Wroe'.

Simon Wroe
Head of Approvals — Materials

A handwritten signature in black ink, appearing to read 'Claire Curtis-Thomas'.

Claire Curtis-Thomas
Chief Executive

Date of First issue: 22 October 2014

The BBA is a UKAS accredited certification body — Number 113. The schedule of the current scope of accreditation for product certification is available in pdf format via the UKAS link on the BBA website at www.bbacerts.co.uk

Readers are advised to check the validity and latest issue number of this Agrément Certificate by either referring to the BBA website or contacting the BBA direct.

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Regulations

In the opinion of the BBA, the Blueshield PmB 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 presence of a UK map indicates that the subject is related to the Building Regulations in the region or regions of the UK depicted):



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

Requirement: B4(2)	External fire spread
Comment:	On a suitable substructure, the system will enable a roof to be unrestricted under this Requirement. See section 7 of this Certificate.
Requirement: C2(b)	Resistance to moisture
Comment:	The system will enable a roof to meet this Requirement. See section 6.1 of this Certificate.
Regulation: 7	Materials and workmanship
Comment:	The system is acceptable. See section 12 and the <i>Installation</i> part of this Certificate.



The Building (Scotland) Regulations 2004 (as amended)

Regulation: 8(1)(2)	Durability, workmanship and fitness of materials
Comment:	The system comprises acceptable materials and satisfies the requirements of this Regulation. See sections 11 and 12 and the <i>Installation</i> part of this Certificate.
Regulation: 9	Building standards applicable to construction
Standard: 2.8	Spread from neighbouring buildings
Comment:	The system, when applied to a suitable substructure, is regarded as having a low vulnerability and can contribute to a roof being unrestricted under this Standard, with reference to clause 2.8.1 ⁽¹⁾⁽²⁾ . See section 7 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 3.10.7 ⁽¹⁾⁽²⁾ . See section 6.1 of this Certificate.
Standard: 7.1(a)	Statement of sustainability
Comment:	The system 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:	All comments given for this 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

Regulation: 23(a)(i)(iii)(b)(i)	Fitness of materials and workmanship
Comment:	The system comprises acceptable materials and satisfies the requirements of this Regulation. See section 12 and the <i>Installation</i> part of this Certificate.
Regulation: 28(b)	Resistance to moisture and weather
Comment:	The system will enable a roof to meet the requirements of this Regulation. See section 6.1 of this Certificate.
Regulation: 36(b)	External fire spread
Comment:	On a suitable substructure, the system can contribute to a roof being unrestricted under the requirements of this Regulation. See section 7 of this Certificate.

Construction (Design and Management) Regulations 2007

Construction (Design and Management) Regulations (Northern Ireland) 2007

Information in this Certificate may assist the client, CDM co-ordinator, designer and contractors to address their obligations under these Regulations.

See sections: 3 *Delivery and site handling* and 14 *Precautions* of this Certificate.

Additional Information

NHBC Standards 2014

NHBC accepts the use of the Blueshield PmB Roof Waterproofing System, provided it is installed, used and maintained in accordance with this Certificate, in relation to *NHBC Standards, Part 7 Roofs, Chapter 7.1 Flat roofs and balconies* and *Chapter 7.2 Pitched roofs*.

Technical Specification

1 Description

The Blueshield PmB Roof Waterproofing System comprises:

- Blueshield PMCS/01 Primer — a single-component, solvent-based primer containing di-phenylmethane di-isocyanate
- Blueshield PmB Waterproofing — a two-part, solvent-free, blue-pigmented polyurethane elastomer, comprising Part A, PmB PU 0308 (catalyst/blue pigment) and Part B, Desmodur PU 0309.

2 Manufacture

2.1 The components of the system are manufactured by a batch-blending process.

2.2 As part of the assessment and ongoing surveillance of product quality, the BBA has:

- agreed with the manufacturer the quality control procedures and product testing to be undertaken
- assessed and agreed the quality control operated over batches of incoming materials
- monitored the production process and verified that it is in accordance with the documented process
- evaluated the process for management of nonconformities
- checked that equipment has been properly tested and calibrated
- 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.

2.3 The management system of Pitchmastic PmB Ltd has been assessed and registered as meeting the requirements of BS EN ISO 9001 : 2008 by BM Trada Certification Ltd (Certificate C 0906).

3 Delivery and site handling

3.1 The components of the system are delivered as detailed in Table 1. The waterproofing components are transferred into bulk storage vessels, located on the spray vehicle, and maintained at 50°C to 80°C prior to spraying.

Table 1 Weights and packaging

Component	Weight (kg)	Container	Shelflife (months)
Blueshield PMCS/01 Primer	20, 25	Metal/plastic drums	6
Blueshield PmB Waterproofing (Part A)	20, 25, 1000	Metal drums/plastic IBCs	6
Blueshield PmB Waterproofing (Part B)	20, 25, 1000	Metal drums/plastic IBCs	6

3.2 The components are classified under *The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (CHIP4)/Classification, Labelling and Packaging of Substances and Mixtures (CLP Regulation) 2009* and all containers bear the appropriate hazard warning label(s). Flashpoints and hazard classification are given in Table 2.

Table 2 Flashpoints and hazard classification

Component	Flashpoint (°C)	Classification
Blueshield PMCS/01 Primer	3	Highly flammable ⁽¹⁾ , Harmful
Blueshield PmB Waterproofing (Part A)	165	Harmful
Blueshield PmB Waterproofing (Part B)	>200	Harmful

(1) The product should be stored in accordance with *The Dangerous Substances and Explosives Atmospheres Regulations 2002*.

Assessment and Technical Investigations

The following is a summary of the assessment and technical investigations carried out on the Blueshield PmB Roof Waterproofing System.

Design Considerations

4 General

4.1 The Blueshield PmB Roof Waterproofing System is satisfactory for use as a waterproofing layer on new and existing pitched, flat and completely flat roofs in:

- inverted roof specifications using aggregate ballast on flat roofs with limited access
- protected roof specifications using pavers or other suitable protection on flat roofs with limited or pedestrian access

- green roof specifications (defined as extensive, lightweight systems composed typically of succulents, such as sedum, or other hardy plant species) on flat roofs with limited or pedestrian access, or pitched roofs with limited access
- roof garden specifications (defined as intensive systems designed primarily for recreational use and requiring structural consideration to accommodate the additional weight) on flat roofs with limited or pedestrian access
- biodiverse specifications (similar in composition to an extensive roof but designed specifically to create a habitat) on flat roofs with limited or pedestrian access, or pitched roofs with limited access.

4.2 The system is suitable for use on concrete and metal substrates.

4.3 Where applicable, roof drainage should be designed in accordance with BS EN 12056-3 : 2000.

4.4 Limited access roofs are defined for the purpose of this Certificate as those roofs subjected only to pedestrian traffic for maintenance of the roof covering, cleaning of gutters, etc. Where traffic in excess of this is envisaged, additional protection to the waterproofing membrane must be provided.

4.5 Flat roofs are defined for the purpose of this Certificate as those roofs having a minimum finished fall of 1:80. For design purposes, twice the minimum finished fall should be assumed, unless a detailed analysis of the roof is available, including overall and local deflection, direction of falls, etc. Pitched roofs are defined for the purpose of this Certificate as those having a fall greater than 1:6. Recommendations for the design of roof falls are available in LRWA Guidance Note No 7 : *Specifier guidance for flat roof falls*.

4.6 Recommendations for the design of green roofs and roof garden specifications are available within the latest edition of *The GRO Green Roof Code — Green Roof Code of Best Practice for the UK*, issued by The Green Roof Organisation (GRO).

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

4.8 Imposed loads, dead loading and wind load specifications are calculated in accordance with BS EN 1991-1-1 : 2002, BS EN 1991-1-3 : 2003, BS EN 1991-1-4 : 2005 and their UK National Annexes.

4.9 The drainage system for green roofs or roof gardens must be correctly designed, and provision made for access for maintenance purposes. Dead loads for green roofs and roof gardens can increase if the drains become partially or completely blocked causing waterlogging of the drainage layer.

4.10 Concrete decks to which the product is to be applied must comply with the relevant requirements of BS 6229 : 2003 Section 8.4, BS 8217 : 2005 Sections 5.1.2 and 6.7, and, where appropriate, *NHBC Standards*, Chapter 7.1. Attention is drawn to the requirements of these Standards to ensure that reinforced concrete roof slabs are finished to an acceptable standard, allow free drainage of water and are allowed to dry prior to the installation of the waterproofing. When these conditions are not met, appropriate remedial treatment is essential.

4.11 In inverted roof specifications the ballast requirements should be calculated in accordance with the relevant parts of BS EN 1991-1-4 : 2005 and its UK National Annex. Additional guidance for inverted roof specifications is given in BBA Information Bulletin No 4 *Inverted roofs — Drainage and U value corrections*.

4.12 Insulation materials used in conjunction with the system must be in accordance with the manufacturer's instructions and be either:

- as described in the relevant clauses of BS 8217 : 2005, or
- the subject of a current BBA Certificate and used in accordance with, and within the scope of, that Certificate.

5 Practicability of installation

The system is installed by the Certificate holder's trained operatives.

6 Weathertightness

 6.1 The system will adequately resist the passage of moisture into the building and enable a structure to comply with the requirements of the national Building Regulations:

England and Wales — Approved Document C, Requirement C2(b), Section 6

Scotland — Mandatory Standard 3.10, clauses 3.10.1⁽¹⁾⁽²⁾ and 3.10.7⁽¹⁾⁽²⁾

(1) Technical Handbook (Domestic)

(2) Technical Handbook (Non-Domestic)

Northern Ireland — Regulation 28(b).

6.2 The system is impervious to water and will achieve a weathertight roof capable of accepting minor structural movement.

7 Properties in relation to fire

 7.1 The system, when used in inverted roof specifications including an inorganic covering listed in Annex of Commission Decision 2000/553/EC, can be considered to be unrestricted under the national Requirements.

7.2 In the opinion of the BBA, when used in irrigated green roof or roof gardens the system will be unrestricted under the national Requirements:

England and Wales — Requirement B4(2)

Scotland — Mandatory Standard 2.8, clause 2.8.1⁽¹⁾

(1) Technical Handbook (Domestic)

(2) Technical Handbook (Non-Domestic)

Northern Ireland — Regulation 36(b).

7.3 If allowed to dry, the plants used may allow flame spread across the roof. This should be taken into consideration when selecting suitable plants for the roof. Appropriate planting irrigation and/or protection should be applied to ensure the overall fire-rating of the roof is not compromised.

7.4 The designation of other specifications should be confirmed by:

England and Wales — test or assessment in accordance with Approved Document B, Appendix A, clause 1

Scotland — test to conform to Mandatory Standard 2.8, clause 2.8.1⁽¹⁾

1) Technical Handbook (Domestic)

(2) Technical Handbook (Non-Domestic)

Northern Ireland — test or assessment by a UKAS accredited laboratory, or an independent consultant with appropriate experience.

8 Resistance to wind uplift

General

8.1 Results of test data indicate that the adhesion of the waterproofing component of the system is sufficient to resist the effects of wind suction, thermal cycling or other minor structural movements likely to occur in service.

8.2 The ballast requirements for the insulation in inverted roof specifications components should be calculated in accordance with the relevant parts of BS EN 1991-1-4 : 2005 and its UK National Annex. The insulation should always be ballasted with a minimum depth of 50 mm of aggregate or paving. In areas of high-wind exposure, the Certificate holder's advice should be sought.

Roof gardens

8.3 The soil used in roof gardens must not be of the type that will be removed, or become localised, owing to wind scour experienced on the roof.

8.4 It should be recognised that the type of plants used in roof gardens could significantly affect the expected wind loads experienced in service.

9 Resistance to foot traffic

When covered with aggregate, the system can accept the limited foot traffic and light concentrated loads associated with installation and maintenance. Superficial damage to the insulation component can be reduced by the use of a filter layer laid directly over the insulation boards. Where pedestrian access is required, inverted roof specifications incorporating pavers or other suitable protection can be used.

10 Resistance to penetration of roots

Results of test data indicates that when used in green roofs and roof gardens the waterproofing will adequately resist penetration by plant roots.

11 Maintenance



11.1 Maintenance should include checks and operations to ensure the following where applicable:

- adequate ballast is in place and evenly distributed over the membrane
- protection layers are in good condition.

11.2 Green roofs must be the subject of regular inspections, particularly in autumn after leaf fall and in the spring, to ensure that unwanted vegetation and other debris are cleared from the roof and drainage outlets (see section 4.9). Guidance is available within the latest edition of *The GRO Green Roof Code, Green Roof Code of Best Practice for the UK*.

12 Durability



Available evidence indicates that the system will have a service life in excess of 25 years. Where the system is used in a fully-protected specification and subjected to normal service conditions, it will provide an effective barrier to the transmission of liquid water and water vapour for the design life of the roof in which it is incorporated.

13 General

13.1 The Blueshield PmB Roof Waterproofing System must be installed in accordance with the Certificate holder's instructions and this Certificate.

13.2 Concrete surfaces should have a smooth finish, free from cavities, loosely-adhering material and sharp protrusions. Surfaces must be dry and free from oil, grease, curing compounds, moss, algae growth, bituminous products, dust and frost.

13.4 Installation should not be carried out during inclement weather (eg rain, fog or snow). When the temperature is below 0°C, suitable precautions against surface condensation must be taken. During the installation of the system the substrate temperature must be above the dew-point.

14 Precautions

It is important to be aware of any risks associated with the use of the system, and the Certificate holder's instructions and relevant working procedures must be observed at all times.

15 Site and surface preparation

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

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

15.3 New concrete must be well compacted and finished, preferably by power floating and power trowelling to a dense, smooth finish, free from defects. The substrate must be prepared by captive blasting, hydroblasting or other methods approved by the Certificate holder. Concrete toppings and screeds must be properly formulated, applied and compacted. They must be bonded to the substrate and have a floated finish with minimum laitance.

15.4 Surfaces must be dry, and free from laitance and other contaminants likely to affect the adhesion of the system. Any existing coatings must be removed. The substrates must be prepared by shot blasting, hydro-blasting or other approved methods. All loose material must be removed by vacuum cleaning or sweeping the surface.

15.5 Cracks and other defects in the substrate must be repaired using an approved repair material. The advice of the Certificate holder should be sought for approved products.

16 Application

Primer

16.1 Blueshield PMCS/01 Primer is applied by airless spray, roller or brush at a minimum coverage rate of 65 g·m⁻².

16.2 The primer is over-sprayed with Blueshield PmB Roof Waterproofing membrane within 24 hours of application, provided the primed surface is clean and dry.

16.3 If more than 24 hours elapse or the primed surface becomes wet due to rain or condensation, the primer must be abraded and the area re-primed.

Waterproofing membrane

16.4 The Blueshield PmB Roof Waterproofing components Part A and Part B are stored in temperature-controlled tanks, maintained at between 50°C and 80°C, within the spray equipment plant during application.

16.5 The spray equipment is computer controlled, and maintains a Part A : Part B mix ratio of 100 : 96 ± 5% by weight.

16.6 The Blueshield PmB Roof Waterproofing membrane (pigmented blue) is spray-applied in one coat, two coats or multiple coats at a coverage rate of 2.7 kg·m⁻² to give a minimum total thickness of 2 mm including peaks, arrises and irregularities in the concrete deck.

16.7 In the two-coat system, a minimum thickness of 1 mm is applied in the first coat and allowed to dry. Within four hours the second coat is applied to achieve a total minimum thickness of 2 mm. In the multiple coat system, each coat is applied within four hours of the previous coat to achieve a total minimum thickness of 2 mm. If the four-hour interval in the two-coat and multiple-coat system is exceeded, an additional coat of Blueshield PMCS/01 Primer is required before the next coat is applied.

Lapping

16.8 Where a new waterproofing membrane is joined to an existing Blueshield PmB Roof Waterproofing membrane, and at day joints, the new application must be lapped onto the existing membrane by a minimum of 100 mm.

16.9 Where the existing membrane is clean and less than four hours old, no additional preparation is necessary. If it is dirty or contaminated, the membrane surface must be cleaned using a suitable solvent, eg acetone.

16.10 Where the existing membrane is over four hours old, Blueshield PMCS/01 Primer must be applied to give a minimum margin of 20 mm greater than the lap and allowed to dry.

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

17 Repair of defects

Pin/blow holes

17.1 Within four hours of membrane application, identified pin/blow holes are over-sprayed with Blueshield PmB Roof Waterproofing membrane to a minimum thickness of 2 mm.

17.2 After four hours of membrane application, the area over and around any pin/blow holes is cleaned using a suitable solvent, ensuring a minimum 150 mm lap. The repair area is abraded and Blueshield PMCS/01 Primer is applied by brush or spray.

17.3 A minimum of 30 minutes must be allowed for the primer to dry before the Blueshield PmB Roof Waterproofing membrane is applied to a minimum thickness of 2 mm, ensuring a minimum peripheral lap of 100 mm around the repair.

Blisters and damage

17.4 Should any blisters and/or damage occur they can be made good by cutting back to sound material and repairing as described in sections 17.1 to 17.3.

18 On-site quality control

Site control checks are made by the Certificate holder's trained operatives in accordance with their instructions.

19 Protective finishes

19.1 The top of the ballast/protective layer must be a minimum of 150 mm from the top of parapets, details and services.

Gravel

19.2 To prevent flotation, wind uplift and UV degradation, inverted insulation boards up to 50 mm thick must be loaded with at least a 50 mm deep covering of river-washed, rounded stones of nominal size 20 mm to 32 mm, round washed broken stone of similar size, or similar stone approved by the Certificate holder.

19.3 It is essential that the depth and size of gravel are such that the system is completely covered and protected.

19.4 The proportion of fines in the aggregate must be kept to a minimum to prevent the risk of gullies being blocked and to discourage organic growth.

19.5 The dead load imposed by 50 mm of gravel is approximately 80 kg·m⁻². The deck must be capable of withstanding this as well as any additional loads, static or imposed.

19.6 The gravel loading specification is used on roofs in sheltered regions or low- to medium-rise buildings up to ten storeys. When laid in moderate exposure zones, or on buildings of up to fifteen storeys, this gravel specification is permitted but the perimeter should be loaded with paving. For severe exposure zones or tall buildings, specialist advice should be sought. BRE Digest 311 *Wind scour of gravel ballast on roofs* should be used when a calculation is required for a specific building project.

Paving slabs

19.7 Depending on access to the roof and wind effects, one of the following arrangements should be used:

- standard pressed concrete paving slabs to BS EN 1340 : 2003 on appropriate spacers, (see section 19.8), or
- standard pressed concrete paving slabs or paving bricks on 20 mm depth of either gravel graded 4 mm to 8 mm, or sand or small gravel, on a slip sheet of non-woven, synthetic fibre fleece or fine polyethylene mesh, aperture 2 mm or less, or similar material approved by the Certificate holder.

19.8 The paving should have a minimum thickness of 50 mm. Ballast requirements should be calculated in accordance with the relevant parts of BS EN 1991-1-4 : 2005 and its UK National Annex.

19.9 The deck must also safely carry the additional static load of approximately 25 kg·m⁻² for 50 mm thick slabs. When laid in conjunction with an intermediate layer of sand to a depth of 20 mm, a further static load of approximately 40 kg·m⁻² must be taken into account.

19.10 The method of laying and bedding will depend upon the form of the roof, and the Certificate holder's advice should be sought.

Green roofs and roof gardens

19.11 Green roofs and roof gardens should be of a suitable design. In cases of doubt the Certificate holder's advice should be sought.

20 Tests

Tests for physical properties and performance were conducted on samples of the system and results assessed to determine:

- water vapour permeability
- water vapour resistance
- water absorption
- tensile strength and elongation
- resistance to water penetration
- resistance to chisel impact
- resistance to thermal shock, heat ageing and crack cycling
- resistance to aggregate indentation
- tensile adhesion to concrete
- fatigue cycling
- static indentation
- dynamic indentation
- effects of long-term heat ageing
- effects of long-term water exposure.

21 Investigations

21.1 The manufacturing process was evaluated, including the methods adopted for quality control, and details were obtained of the quality and composition of the materials used.

21.2 A visit was made to existing site to assess the system's performance in use.

21.3 Test data on root resistance for the waterproofing membrane were assessed.

Bibliography

BS 6229 : 2003 *Flat roofs with continuously supported coverings — Code of practice*

BS 8217 : 2005 *Reinforced bitumen membranes for roofing — Code of practice*

BS EN 1991-1-1 : 2002 *Eurocode 1: Actions on structures — General actions — Actions on structures exposed to fire*
NA to BS EN 1991-1-1 : 2002 UK National Annex to *Eurocode 1: Actions on structures — General actions — Actions on structures exposed to fire*

BS EN 1991-1-3 : 2003 *Eurocode 1: Actions on structures — General actions — Snow loads*

NA to BS EN 1991-1-3 : 2003 UK National Annex to *Eurocode 1: Actions on structures — General actions — Snow loads*

BS EN 1991-1-4 : 2005 *Eurocode 1: Actions on structures — General actions — Wind actions*

NA to BS EN 1991-1-4 : 2005 UK National Annex to *Eurocode 1: Actions on structures — General actions — Wind actions*

BS EN 1340 : 2003 *Concrete kerb units — Requirements and test methods*

BS EN 12056-3 : 2000 *Gravity drainage systems inside buildings — Roof drainage, layout and calculation*

BS EN ISO 9001 : 2008 *Quality management systems — Requirements*

22 Conditions

22.1 This Certificate:

- relates only to the product/system 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.

22.2 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.

22.3 This Certificate will remain valid for an unlimited period provided that the product/system 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.

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

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

22.6 Any information relating to the manufacture, supply, installation, use, maintenance and removal of this product/system which is contained or referred to in this Certificate is the minimum required to be met when the product/system 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.