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Agrément Certificate
05/4287
Product Sheet 4

ARMOURPLAN WATERPROOFING SYSTEMS

ARMOURPLAN PSG ROOF WATERPROOFING SYSTEM

This Agrément Certificate Product Sheet⁽¹⁾ relates to Armourplan PSG Roof Waterproofing System, comprising a glass tissue reinforced single-ply polyvinyl chloride (PVC) fleece-backed membrane, for use in adhered waterproofing systems on flat or pitched roofs with limited access.

(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 to the interior of a building (see section 6).

Behaviour in relation to fire — the system may enable a roof to be unrestricted under the national 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 mechanical damage — the system will accept the limited foot traffic and loads associated with installation and maintenance (see section 9).

Durability — under normal service conditions, the systems will provide a durable roof waterproofing with a service life in excess of 35 years. This can be extended to in excess of 40 years if covered by the Certificate holder's maintenance scheme (see section 11).



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 Fourth issue: 10 November 2021

Originally certificated on 2 April 2015

Hardy Giesler
Chief Executive Officer

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 MUST check the validity and latest issue number of this Agrément Certificate by either referring to the BBA website or contacting the BBA directly.

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

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Regulations

In the opinion of the BBA, Armourplan PSG 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(1)	External fire spread
Comment:	The system in some circumstances, are restricted by the Requirement. See section 7.3 of this Certificate.	
Requirement:	B4(2)	External fire spread
Comment:	On suitable substructures, the use of the system can enable a roof to be unrestricted under the requirements of this Regulation. See sections 7.1 and 7.2 of this Certificate.	
Requirement:	C2(b)	Resistance to moisture
Comment:	The membrane including joints, will enable a roof to satisfy this Requirement. See section 6 of this Certificate.	
Requirement:	7(1)	Materials and workmanship
Comment:	The system is acceptable. See section 11.1 and 11.2 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 use of the system satisfies the requirements of this Regulation. See sections 10.1, 11.1 and 11.2 and the <i>Installation</i> part of this Certificate.	
Regulation:	9	Building standards applicable to construction
Standard:	2.6	Spread from neighbouring buildings
Comment:	The system is restricted under clause 2.6.4 ⁽¹⁾⁽²⁾ of this Standard in some circumstances. See section 7.4 of this Certificate.	
Standard:	2.8	Spread from neighbouring buildings
Comment:	The system, when used with a suitable substructure, can be regarded as having low vulnerability under clause 2.8.1 ⁽¹⁾⁽²⁾ of this Standard. See sections 7.1 and 7.2 of this Certificate.	
Standard:	3.10	Precipitation
Comment:	The membrane, including joints, will enable a roof to satisfy the requirements of this Standard with references to clauses 3.10.1 ⁽¹⁾⁽²⁾ and 3.10.7 ⁽¹⁾⁽²⁾ . See section 6 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:	Comments in relation to <i>the product</i> 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(a)(i)	Fitness of materials and workmanship
Comment:	(iii)(b)(i)	The system is acceptable. See sections 11.1 and 11.2 and the <i>Installation</i> part of this Certificate.
Regulation:	28(b)	Resistance to moisture and weather
Comment:		The membrane, including joints, can enable a roof to satisfy the requirements of this Regulation. See section 6 of this Certificate.
Regulation:	36(b)	External fire spread
Comment:		The system, when used on suitable substructures, can enable a roof to be unrestricted under this Requirement. See sections 7.1 and 7.2 of this 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.

See sections: 1 *Description* (1.2) and 3 *Delivery and site handling* (3.3) of this Certificate.

Additional Information

NHBC Standards 2021

In the opinion of the BBA, Armourplan PSG Roof Waterproofing 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*.

NHBC Standards do not apply to refurbishment of existing roofs.

CE marking

The Certificate holder has taken the responsibility of CE marking the membrane, in accordance with harmonised European Standard BS EN 13956 : 2012.

Technical Specification

1 Description

1.1 The Armourplan PSG Roof Waterproofing System consists of a flexible polyvinyl chloride (PVC) fleece-backed single-ply roof waterproofing membrane, reinforced with glass tissue ($50 \text{ g}\cdot\text{m}^{-2}$) and a non-woven polyester fleece backing ($135 \text{ g}\cdot\text{m}^{-2}$).

1.2 The membrane is manufactured to the nominal characteristics given in Table 1.

Table 1 Nominal characteristics

Characteristic (unit)	PSG120
Thickness (mm)	1.2 ⁽¹⁾
Roll width (mm)	1060, 1500, 2120
Roll length (m)	20
Mass per unit area (kg·m ⁻²)	1.75
Tensile strength (N per 50 mm)	
longitudinal direction	≥650
transverse direction	≥650
Elongation (%)	
longitudinal direction	≥40
transverse direction	≥40
Tear resistance (N)	
longitudinal direction	≥150
transverse direction	≥150
Nail tear (N)	
longitudinal direction	≥150
transverse direction	≥150
Foldability at low temperature (°C)	
unaged	≤ -30
UV aged ⁽¹⁾	≤ -30
heat aged ⁽²⁾	≤ -30
Static loading (kg)	
soft support	≥20
hard support	≥20
Resistance to impact (mm)	
soft support	≥1100
hard support	≥450
Hail resistance (m·s ⁻¹)	
soft support	≥30
hard support	≥20
Peel resistance of joints (N)	
unaged	≥200
heat aged ⁽⁴⁾	≥200
Standard colours	mid-grey, light grey and slate grey
Plasticiser type	phthalate

(1) Thickness of membrane without fleece backing.

(2) UV aged 1000 light hours.

(3) Heat aged for 12 weeks at 70°C.

(4) Heat aged for four weeks at 80°C.

1.3 Ancillary items necessary for installation of the system and included in this assessment are:

- SA Bitumen Primer — for preparation of surfaces prior to application of IKO Systems SA bituminous membranes
- Spectrabond Low Foaming PU Adhesive — for bonding the roofing membrane to the substrate
- Armourplan Seam Cleaner — preparation solvent for cleaning PVC roofing membranes as required (eg prior to welding)
- Armourplan Coated Metal — 0.6 mm galvanized steel sheet, coated with 0.6 mm of Armourplan PVC Membrane, for use in detailing
- IKOfix Peel Stop Bar — steel fixing strip for membrane anchorage
- IKO Systems Torch-On Underlay — a torch-on air and vapour control layer (AVCL) suitable for metal decks (IKOpro Fast Dry Primer, the subject of BBA Certificate 91/2671, is required)

- IKO Systems S-A Underlay — a self-adhesive AVCL (IKOpro Systems Bonding Agent, the subject of BBA Certificate 91/2671, is required)
- Polimar UV Detailing Liquid — a liquid-applied system for complex detailing (subject of BBA Certificate 14/5178)
- Armourplan PVC Contact Adhesive – ready-to-use contact adhesive for adhering PVC roofing membranes to substrates in accordance with Certificate holder’s instructions.

1.4 Other items or components which may be used with the system, but which are outside the scope of this Certificate, are:

- Armourplan Detailing Membrane — homogeneous or glass tissue reinforced PVC membrane for complex detailing
- Armourplan Walkway — PVC membrane with a slip-resisting surface for use in areas of increased pedestrian traffic, such as for maintenance of plant
- Armourplan Cover Strips — glass tissue and polyester scrim reinforced membrane cover strips for jointing coated metals and detailing
- Armourplan Pre-formed Corners — pre-formed internal and external corners
- Armourplan Outlet Pipes
- Armourplan PVC Standing Seam Profile — pre-formed PVC profile used to simulate a metal standing seam roof
- Armourflow Coated Metal — pre-coated flat metal sheet for fabrication of gutters, 1.2 mm thick steel with 1.2 mm thick Armourplan membrane
- Armourplan Drip Details — prefabricated drip details
- Armourplan Chase Termination Details — prefabricated chase termination details
- Membrane Pipe and Post Details — prefabricated bespoke details formed using Armourplan Detailing Membrane
- Armourprep — acetone-based preparation solution for PVC roofing membranes with heavy moisture contamination
- IKO PVC Refurbishment Primer — used in conjunction with Spectrabond Low Foaming PU Adhesive or IKOpro High Performance PU Adhesive when overlaying existing adhered PVC membrane roofs
- IKOpro High Performance PU Adhesive — for bonding PIR insulation boards to the substrate
- IKOfix Aluminium Clamping Strips — aluminium clamping strips for upstand termination
- IKO Glass Universal Underlay — torch-on AVCL suitable for use on concrete decks (IKOpro Fast Dry Primer required)
- IKO Systems T-O AVCL — torch-applied, metal-lined air and vapour barrier (IKOpro Fast Dry Primer required)
- IKO Systems S-A AVCL — self-adhesive, metal-lined air and vapour barrier (IKOpro Systems Bonding Agent required)
- Challenger Polyester 180 Sand VCL — suitable for pour-and-roll application (IKOpro Fast Dry Primer may be required)
- Spectravap — a polyethylene AVCL
- IKOpro Systems Bonding Agent — a self-adhesive AVCL primer
- IKOpro Quick Dry Bitumen Primer — bituminous primer for torch-on and pour-and-roll AVCL applications
- Armourplan PVC Sealant — for sealing detail terminations
- Spectratex Separation Layer — polyester separation and protection layer
- IKO Enertherm PIR — polyisocyanurate board with mineral glass tissue facings on both sides, or alternatively coated on both sides with a tri-ply gastight aluminium multi-layer complex.
- Hardrock DD – a stone wool insulation board faced with fleece facings on both sides.

2 Manufacture

2.1 The membrane is manufactured by an extrusion and calendaring 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 IKO PLC has been assessed and registered as meeting the requirements of BS EN ISO 9001 : 2015 by BSI (Certificate FM45901).

3 Delivery and site handling

3.1 The membrane is delivered to site in rolls wrapped in plastic bearing the product name, Certificate holder's name, product dimensions, article number and batch number.

3.2 Rolls should be stored horizontally, undercover and on a clean, level surface.

3.3 The Certificate holder has taken the responsibility of classifying and labelling the system 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).

Assessment and Technical Investigations

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

Design Considerations

4 General

4.1 The Armourplan PSG Roof Waterproofing System is satisfactory for use as a roof waterproofing membrane in adhered installations on flat and pitched roofs with limited access.

4.2 Decks to which the system is to be applied must comply with the relevant requirements of BS 6229 : 2018, BS 8217 : 2005 and, where appropriate, *NHBC Standards 2021*, Chapter 7.1.

4.3 Limited access roofs are defined for the purpose of this Certificate as those 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 membranes must be provided (see section 9).

4.4 Flat roofs are defined for the purpose of this Certificate as those 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.

4.5 Pitched roofs are defined for the purpose of this Certificate as those having a fall greater than 1:6.

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

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

4.7 Contact with bituminous, coal tar and oil-based products or polystyrene insulation boards must be avoided as the membranes are not compatible with lower grades of bitumen. If contact with such products is likely, a separating layer must be interposed before installing the waterproofing sheet. Where doubt arises, the advice of the Certificate holder should be sought.

4.8 The NHBC requires that the waterproofing membranes, once installed, be inspected in accordance with of *NHBC Standards 2021*, Chapter 7.1, Clause 7.1.12, including the use of an appropriate integrity test, where required. Any damage to the membrane is repaired in accordance with section 15 of this Certificate and reinspected.

5 Practicability of installation

Installation of the system must be carried out only by installers trained and approved by the Certificate holder.

6 Weathertightness



The membrane, including joints, when completely sealed and consolidated, will adequately resist the passage of moisture into the interior of a building and enable a roof to comply with the requirements of the national Building Regulations.

7 Properties in relation to fire



7.1 The following specifications will be unrestricted with respect to proximity to a boundary under the national Building Regulations:

- when tested to BS 476-3 : 2004, a system comprising: a 0.7 mm trapezoidal steel deck, a 2 mm self-adhesive IKO Systems S-A AVCL, a 130 mm PIR insulation bonded with IKOpro High Performance PU Adhesive and a layer of 1.2 mm Armourplan PSG membrane, fully bonded with Spectrabond Low Foaming PU Adhesive⁽¹⁾ achieved a fire classification of EXT.F.A.B
- when classified in accordance with BS EN 13501-5 : 2005, a system comprising: 15 mm thick OSB 3 and a layer of 1.2mm Armourplan PSG membrane, fully bonded with Spectrabond Low Foaming PU Adhesive achieved a classification of B_{ROOF}(t4)⁽²⁾
- when tested to CEN/TS 1187 : 2012 Test 4, and classified in accordance with BS EN 13501-5 : 2016, a system comprising: 18 mm OSB deck, 2 mm self-adhesive IKO Systems S-A AVCL, 140 mm layer of PIR Enertherm Gold insulation board, bonded with IKOpro High Performance PU Adhesive and a layer of 1.2 mm Armourplan PSG membrane bonded with Spectrabond Low Foam PU adhesive achieved classification of B_{ROOF}(t4)⁽³⁾
- when tested to BS 476-3 : 2004 a system comprising: 18 mm OSB deck, 2 mm self-adhesive IKO Systems S-A AVCL, 140 mm layer of PIR Enertherm Gold insulation board, bonded with IKOpro High Performance PU Adhesive and a layer of 1.2 mm Armourplan PSG membrane bonded with Spectrabond Low Foam PU⁽⁴⁾ adhesive of EXT.F.A.B classification,
- when tested to CEN/TS 1187 : 2012 Test 4, and classified in accordance with BS EN 13501-5 : 2016, a system comprising: an 18 mm OSB deck, 2 mm self-adhesive IKO Systems S-A AVCL, 145 mm (composed of two layers of 85 mm and 60 mm), layer of Rockwool Hardrock (DD) fleece faced insulation layer bonded with IKOpro High Performance PU Adhesive and a layer of 1.2 mm Armourplan PSG membrane bonded with Spectrabond Low Foam PU achieved classification of B_{ROOF}(t4)⁽⁵⁾
- when tested to CEN/TS 1187 : 2012 Test 4, and classified in accordance with BS EN 13501-5 : 2016 a system comprising; a 50 mm concrete deck, a 2.0 mm torch on IKO systems Torch-On AVCL, 200 mm layer of PIR insulation boards (2 x 100 mm), bonded IKOpro High Performance PU Adhesive and a layer of 1.2 mm Armourplan PSG membrane bonded with Spectrabond Low Foam PU adhesive achieved classification of B_{ROOF}(t4)⁽⁶⁾

(1) Fire test report reference 331718, conducted by Exova Warringtonfire. Report available from the Certificate holder

(2) Fire classification report WF 368840 issued by Exova Warringtonfire. Report available from the Certificate holder

(3) Fire test and Classification reports 19447A and 19447C respectively conducted by Exova Warringtonfire. Reports available from the Certificate holder

(4) Fire test report reference 19447B conducted by Exova Warringtonfire. Report available from the Certificate holder

(5) Fire test and Classification reports with references 20559B and 20559D respectively and extended application report 20559C conducted by Exovia Warrington Fire. Report available from the Certificate holder

(6) Fire test and Classification reports 20490A and 20490B respectively conducted by Exova Warringtonfire. Reports available from the Certificate holder

7.2 The designation of other specifications must be confirmed by reference to the requirements of the documents supporting the national Building Regulations.



7.3 The system, when used in pitches of greater than 70°, excluding upstands, must not be used on buildings in England and Wales that have a storey at least 18 m above ground level and contain: one or more dwellings, an institution, a room for residential purposes (excluding any room in a hostel, hotel or boarding house), student accommodation, care homes, sheltered housing, hospitals or dormitories in boarding schools.



7.4 The system, when used in pitches of greater than 70°, excluding upstands, must not be used on buildings in Scotland that have a storey at least 11 m above ground level.

8 Resistance to wind uplift

8.1 When bonded to a decking or a reinforced bituminous membrane, the system must have sufficient adhesion to resist the effects of wind suction, elevated temperature and thermal shock conditions likely to occur in practice.

8.2 When adhered to insulation boards, the resistance to wind uplift will be dependent on the cohesive strength of the insulation and the method by which it is secured to the roof deck. This should be taken into account when the insulation material is selected.

9 Resistance to mechanical damage

9.1 The system can accept the limited foot traffic and light concentrated loads associated with installation and maintenance. Reasonable care should be taken to avoid puncture by sharp objects or concentrated loads. Where traffic in excess of this is envisaged, such as for maintenance of lift equipment, a walkway should be provided, for example, using concrete slabs supported on bearing pads.

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

10 Maintenance



10.1 The system must be the subject of six-monthly inspections and maintenance in accordance with BS 6229 : 2018, Chapter 7 to ensure continued satisfactory performance.

10.2 In addition, a planned maintenance cycle, including inspections by the Certificate holder at minimum intervals of five years, should be introduced if an extended service life is required. The Certificate holder can advise on methods of extending the service life. This could include the use of thicker membranes, specific maintenance requirements or localised replacement and repair.

10.3 Where damage has occurred it should be repaired in accordance with section 15 of this Certificate and the Certificate holder's instructions.

11 Durability



11.1 Under normal service conditions, the system will provide a durable roof waterproofing with a service life in excess of 35 years.

11.2 The service life can be extended to in excess of 40 years with periodic maintenance as stated in section 10.2 of this Certificate.

11.3 In environments where the membrane is in contact with organic solvents, the service life expectancy of the membrane may be reduced. In cases of doubt, the advice of the Certificate holder should be sought.

12 General

12.1 Installation of the Armourplan PSG Roof Waterproofing System must be carried out in accordance with the relevant clauses of the Certificate holder's instructions, BS 8000-0 : 2014, BS 8000-4 : 1989 and this Certificate.

12.2 Substrates to which the system is applied must be sound, dry, clean and free from sharp projections such as nail heads and concrete nibs.

12.3 Installation should not be carried out during inclement weather (e.g. rain, fog or snow). Spectrabond Low Foaming PU Adhesive should not be used in temperatures below 5°C.

13 Procedure

13.1 The membrane is adhered to an acceptable substrate with Spectrabond Low Foaming PU Adhesive. The adhesive is applied to the substrate at a rate of 150 to 400 g·m⁻², dependent on application method.

13.2 The membrane is laid over the tacky adhesive and smoothed into it.

14 Jointing and flashing procedure

Hot-air welding

14.1 The welding area must be dry and clean. If the membrane in the weld area has become contaminated, it must be cleaned in accordance with the Certificate holder's instructions.

14.2 Welding may be achieved by automatic or hand-operated machines in accordance with the Certificate holder's instructions.

14.3 The welded width of the joint must be a minimum of 30 mm when welded with an automatic welding machine and a 40 mm final weld width when welded with hand-operated machines. On completion of the weld, the seam should be tested with a suitable metal probe, and any weakness repaired immediately.

14.4 The seam is tested with a metal probe to highlight poorly welded areas. Any such areas should be made good using hot-air welding.

Flashing

14.5 Flashing and detailing should be carried out in accordance with the Certificate holder's instructions.

15 Repair

In the event of damage, repairs can be carried out by cleaning the area around the damage and applying a patch of the appropriate membrane in accordance with the Certificate holder's instructions.

16 Tests

16.1 An assessment was made on data in relation to:

- dimensions
- mass per unit area
- tensile strength and elongation

- dimensional stability
- resistance to tear
- low temperature foldability
- resistance to static load
- resistance to impact
- watertightness
- resistance to artificial ageing
- joint peel resistance
- joint shear resistance.

16.2 Tests were carried out by the BBA and the results assessed to determine:

- peel from substrate – control and heat aged for 28 days at 80°C
- resistance to wind uplift.

16.3 A durability assessment was carried out using naturally exposed samples, which were then aged artificially by UVA and heat and the following tests carried out:

- low temperature foldability
- dynamic indentation.

17 Investigations

17.1 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.

17.2 Existing data on fire performance of the membrane were assessed.

Bibliography

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

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

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

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

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

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

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

BS EN 13956 : 2012 *Flexible sheet for waterproofing — Plastic and rubber sheets for roof waterproofing — Definitions and characteristics*

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

18 Conditions

18.1 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.

18.2 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.

18.3 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.

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

18.5 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.

18.6 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.