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**Agrement Certificate**

**20/5734**

Product Sheet 2

### DIVOROLL BREATHABLE MEMBRANES

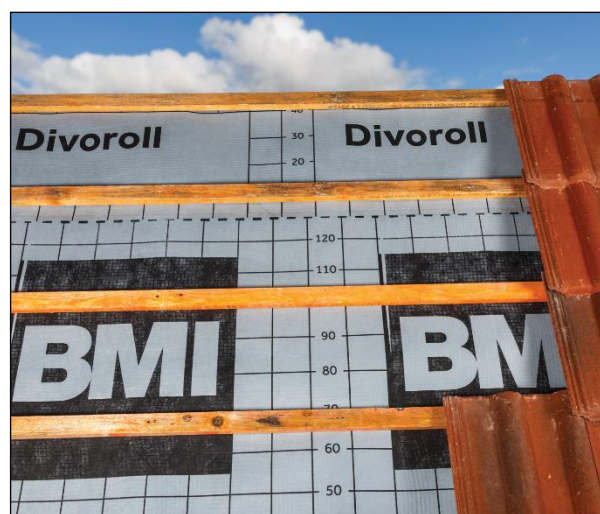
### DIVOROLL UNIVERSAL 2S AND ELITE 200 2S FOR USE IN WARM ROOFS AND ROOM-IN-ROOF (HYBRID) SPECIFICATIONS

This Agrément Certificate Product Sheet<sup>(1)</sup> relates to Divoroll Universal 2S and Divoroll Elite 200 2S, breather membranes for use in warm roofs and room-in-roof (hybrid) specifications.

(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** — as part of a complete roof, the products will resist the passage of water, wind-blown snow and dust into the interior of the building (see section 6).

**Risk of condensation** — the products are low water vapour resistance (Type LR) underlays and can be used as part of a warm roofs and room-in roof (hybrid) specifications (see section 7).

**Wind loading** — when installed on appropriately spaced battens, the products physical properties are adequate to resist the wind loads imposed on the underlays. The products will reduce the wind uplift forces acting upon the roof covering (see section 8).

**Strength** — the products have adequate strength to resist the loads associated with the installation and maintenance of the roof (see section 9).

**Properties in relation to fire** — the products are classified as Class E in accordance with BS EN 13501-1 : 2010 and their use is restricted in some cases by the national Building Regulations (see section 10).

**Durability** — under normal service conditions found in the roof space, the products will have a service life comparable to traditional roof tile underlays (see section 12).

The BBA has awarded this Certificate to the company named above for the products described herein. These products have been assessed by the BBA as being fit for their intended uses provided they are installed, used and maintained as set out in this Certificate.

On behalf of the British Board of Agrément

Date of First issue: 9 March 2020

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](http://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, Divoroll Universal 2S and Divoroll Elite 200 2S for use in warm roofs and room-in-roof (hybrid) specifications, 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)

<b>Requirement:</b>	<b>B4(1)</b>	<b>External fire spread</b>
Comment:		The products, in some circumstances, are restricted by this Requirement. See sections 10.1 and 10.2 of this Certificate.
<b>Requirement:</b>	<b>C2(b)</b>	<b>Resistance to moisture</b>
Comment:		The products will contribute to a roof satisfying this Requirement. See section 6.1 of this Certificate.
<b>Regulation:</b>	<b>7(1)</b>	<b>Materials and workmanship</b>
Comment:		The products are acceptable. See section 12 and the <i>Installation</i> part of this Certificate.



### The Building (Scotland) Regulations 2004 (as amended)

<b>Regulation:</b>	<b>8(1)</b>	<b>Durability, workmanship and fitness of materials</b>
Comment:		The use of the products satisfies the requirements of this Regulation. See section 12 and the <i>Installation</i> part of this Certificate.
<b>Regulation:</b>	<b>9</b>	<b>Building standards applicable to construction</b>
Standard:	3.10	Precipitation
Comment:		The products will contribute to a roof satisfying clauses 3.10.1 <sup>(1)(2)</sup> and 3.10.8 <sup>(1)(2)</sup> of this Standard. See section 6.1 of this Certificate.
Standard:	7.1(a)	Statement of sustainability
Comment:		The products 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.
<b>Regulation:</b>	<b>12</b>	<b>Building standards applicable to conversions</b>
Comment:		Comments in relation to the products under Regulation 9, Standards 1 to 6 also apply to this Regulation, with reference to clause 0.12.1 <sup>(1)(2)</sup> and Schedule 6 <sup>(1)(2)</sup> .

(1) Technical Handbook (Domestic).  
(2) Technical Handbook (Non-Domestic).



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

<b>Regulation:</b>	<b>23(a)(i)</b>	<b>Fitness of materials and workmanship</b>
Comment:	<b>(iii)(b)(i)</b>	The products are acceptable. See section 12 and the <i>Installation</i> part of this Certificate.
<b>Regulation:</b>	<b>28(b)</b>	<b>Resistance to moisture and weather</b>
Comment:		The products will contribute to a roof satisfying this Regulation. See section 6.1 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 section: 1 *Description* (1.3) of this Certificate.

### Additional Information

#### NHBC Standards 2020

In the opinion of the BBA, Divoroll Universal 2S and Divoroll Elite 200 2S for use in for use in warm roofs and room-in-roof (hybrid) specifications, 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 7.2 *Pitched roofs*.

#### CE marking

The Certificate holder has taken the responsibility of CE marking the products, in accordance with harmonised European Standard BS EN 13859-1 : 2014.

### Technical Specification

#### 1 Description

1.1 Divoroll Universal 2S (150 g·m<sup>-2</sup>) for use in warm roofs and room-in-roof (hybrid) specifications is a flexible, four-layer breathable membrane comprising a light grey spunbond polypropylene (60 g·m<sup>-2</sup>), a layer of EVA/hydrophobic hot-melt adhesive (6 g·m<sup>-2</sup>), a polypropylene reinforcing netting (30 g·m<sup>-2</sup>), a microporous polypropylene film (28 g·m<sup>-2</sup>), a layer of VA/hydrophobic hot-melt adhesive (5 g·m<sup>-2</sup>) and a light grey spunbonded polypropylene (20 g·m<sup>-2</sup>).

1.2 Divoroll Elite 200 2S (195 g·m<sup>-2</sup>) for use in warm roofs and room-in-roof (hybrid) specifications is a flexible, four-layer breathable membrane, comprising a light grey spunbond polypropylene (70 g·m<sup>-2</sup>), a layer of EVA/hydrophobic hot-melt adhesive (6 g·m<sup>-2</sup>), a polypropylene reinforcing netting (30 g·m<sup>-2</sup>), a microporous polypropylene film (28 g·m<sup>-2</sup>), a layer of EVA/hydrophobic hot-melt adhesive (5 g·m<sup>-2</sup>) and a light grey spunbonded polypropylene (50 g·m<sup>-2</sup>).

1.3 The membranes have the nominal characteristics given in Table 1 and are available with a double integral tape on the selvedge edges for sealing overlaps.

**Table 1 Nominal characteristics**

Characteristic (unit)	Membrane	
	Divoroll Universal 2S	Divoroll Elite 200 2S
Thickness (mm)	1.08	1.15
Mass per unit area (g·m <sup>-2</sup> )	150	195
Roll length (m)	50	50
Roll width (m)	1.5	1.5
Roll weight (kg)	12	15.3
Colour		
upper	Grey	Grey
lower	grey	black
Tensile strength (N per 50 mm)		
longitudinal	450	500
transverse	390	480
Tear resistance (N)		
longitudinal	340	400
transverse	360	400
Watertightness		
unaged	W1	W1
aged <sup>(1)</sup>	W1	W1
Equivalent air layer thickness <i>s<sub>d</sub></i> (m)	0.03	0.03

(1) Aged in accordance with BS EN 13859-1 : 2014, Annex C.

## 2 Manufacture

2.1 The membranes are manufactured by a heat lamination 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 the manufacturer has been assessed and registered as meeting the requirements of BS EN ISO 9001 : 2015 by TÜV Hessen (Certificate 73100176).

## 3 Delivery and site handling

3.1 Rolls are delivered to site individually wrapped in polythene with a label bearing the company name and the product name. A label carrying the BBA logo incorporating the number of this Certificate is applied to the outer polythene wrapper.

3.2 The rolls should be stored flat on their sides on a smooth, clean, dry surface, under cover and protected from sunlight.

## Assessment and Technical Investigations

The following is a summary of the assessment and technical investigations carried out on Divoroll Universal 2S and Divoroll Elite 200 2S for use in warm roofs and room-in-roof (hybrid) specifications.

### 4 Use

4.1 Divoroll Universal 2S and Divoroll Elite 200 2S for use in warm roofs and room-in-roof (hybrid) specifications are satisfactory for use as a fully supported or unsupported underlay in tiled and slated warm roof and hybrid roofs (room-in-roof specifications), constructed in accordance with the relevant clauses of BS 5534 : 2014.

4.2 For the purpose of this Certificate, warm roofs are defined as those where the insulation is fully inclined following the pitch of the roof.

4.3 For the purpose of this Certificate, hybrid roofs (room-in-roof specifications) are defined as those where the insulation is partially inclined following the pitch of the roof and partially horizontal and vertical, forming cold roof voids.

4.4 The performance of the membranes for use in hybrid roofs is enhanced when the cold non-ventilated area is well-sealed. This minimises the transfer of water vapour through the roof, as well as reducing heat loss through the ceiling.

4.5 A well-sealed cold non-ventilated area requires that:

- the design avoids constructional gaps, especially at the wall/ceiling junction with a dry lining construction and holes in the ceiling
- the air leakage rate through an access hatch, including its frame, when tested to BS EN 13141-1 : 2004, Clause 4.3, is less than  $1 \text{ m}^3 \cdot \text{h}^{-1}$  at a pressure difference of 2 Pa
- penetrations, such as those for services, are permanently sealed with suitable proprietary products
- recessed light fittings should either:
  - comply with BS EN 60529 : 1992 and be rated IP 60 to IP 65, depending on room use, or
  - incorporate an appropriate sealed hood or box which ensures that the total leakage through all downlighters does not exceed  $0.06 \text{ m}^3 \cdot \text{h}^{-1}$  at 2 Pa. The leakage of individual downlighters can be tested to BS EN 13141-1 : 2004, Clause 4.3
- the ceiling is sealed to the external walls to limit any leakage through cracks.

### 5 Practicability of installation

The products are designed to be installed by competent roofers experienced with these types of products.

### 6 Weathertightness



6.1 The products are classified as Class W1 in accordance with BS EN 13859-1 : 2014 and will resist the passage of water and wind-blown snow and dust into the interior of a building under all conditions to be found in a roof constructed in accordance with the relevant clauses of BS 5534 : 2014.

6.2 The products resist the penetration of liquid water and consequently may be used as temporary waterproofing prior to the installation of slates or tiles. The period of such use should, however, be kept to a minimum. Further information is given in BBA Information Bulletin No 2 *Permeable Roof Tile Underlay — Guide to Good Site Practice*.

### 7 Risk of condensation

7.1 For design purposes, the product's water vapour resistance may be taken as not more than  $0.25 \text{ MN} \cdot \text{s} \cdot \text{g}^{-1}$ , and for roofs designed in accordance with BS 5534 : 2014 or BS 5250 : 2011 Annex H, they may be regarded as Type LR underlays, except when laid over sheet sarking materials such as OSB, plywood or chipboard.

7.2 In common with all roofs, care must be taken in the overall design and installation to minimise the risk of water vapour coming into contact with cold parts of the construction. Factors to be considered and minimised include moisture diffusion through the ceiling, infiltration through unsealed openings/penetrations in the ceiling, and services evaporating or venting moisture into cold spaces. In common with all roofs, care must be taken in the overall design and installation to minimise the risk of water vapour coming into contact with cold parts of the construction. Factors to be considered and minimised include moisture diffusion through the ceiling, infiltration through unsealed openings/penetrations in the ceiling, and services evaporating or venting moisture into cold spaces.

7.3 The risk of condensation occurring is highest in new-build construction during the first heating period, where there is high moisture loading owing to wet trades, such as in-situ cast concrete slabs or plaster. The risk of condensation diminishes as the building naturally dries out. See BBA Information Bulletin No 1 *Roof Tile Underlays in Cold Roofs during the Drying-out Period*.

#### Ceiling and insulation inclined (warm roof)

7.4 For roofs with an insulated inclined ceiling, ventilation above or below the underlay will not be required provided that the passage of moisture by diffusion and by convection is controlled, eg by a vapour control layer or a continuous envelope of insulation with a high vapour resistance. Ventilation may be required if specified by the tile manufacturer or where the roof covering is airtight, as described in BS 5250 : 2011.

#### Ceiling and insulation partially inclined (hybrid roof)

7.5 Where an insulated ceiling spans only part of the roof line, resulting cold roof spaces should be ventilated in accordance with BS 5250 : 2011, Annex H.

## 8 Wind loading

8.1 Project design wind speeds for the roof in which the product is installed should be determined, and wind uplift forces calculated, by a suitably experienced and competent individual in accordance with BS EN 1991-1-4 : 2005 and its UK National Annex.

#### Unsupported

8.2 The products are satisfactory for use in unsupported systems in the geographical Wind Zones given in Table 2, where a well-sealed ceiling is present and the roof has a ridge height of  $\leq 15$  m, a pitch between 12.5 and 75°, and a site altitude of  $\leq 100$  m, and where topography is not significant. For all other cases, the required uplift resistance should be determined using BS 5534 : 2014 and the Certificate holder's declared wind uplift resistances in Table 3.

*Table 2 Zones of applicability of Divoroll Universal 2S and Divoroll Elite 2S according to BS 5534 : 2014, Clause A.8, with battened and integrated taped laps*

Product	$\leq 345$ mm batten gauge With battened lap	$\leq 250$ mm batten gauge With battened lap	$\leq 345$ mm batten gauge With integrated taped laps
Divoroll Universal 2S	Zones 1 to 2	Zones 1 to 5	Zones 1 to 5
Divoroll Elite 2S	Zones 1 to 5	Zones 1 to 5	Zones 1 to 5

*Table 3 Declared wind uplift resistance (Pa)*

Product	$\leq 345$ mm batten gauge With battened laps <sup>(1)</sup>	$\leq 250$ mm batten gauge With battened laps <sup>(1)</sup>	$\leq 345$ mm batten gauge With integrated taped laps <sup>(1)</sup>
Divoroll Universal 2S	1054	2308	4582
Divoroll Elite 2S	1707	$\geq 1707$	6015

(1) Mean of test results.

#### Supported

8.3 The products, when fully supported, have adequate resistance to wind uplift forces.

8.4 The products may be used at any batten gauge in all Wind Zones when laid over nominally airtight timber sarking, for example OSB, plywood, chipboard. They may also be used in applications where slates are nailed directly onto sarking boards.

8.5 Timber sarking, such as square-edged butt jointed planks, are not considered to be airtight and the underlay is treated as unsupported.

## 9 Strength

The products will resist the normal loads associated with installation of the roof.

## 10 Properties in relation to fire



10.1 The products are classified as Class E<sup>(1)</sup> in accordance with BS EN 13501-1 : 2010.

(1) Test reports references H.K-017/16 and H.E-81/11 issued by FIW. The reports are available upon request from the Certificate holder

10.2 The products, when used in pitches of greater than 70°, should 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.

10.3 The products will have similar properties in relation to fire to those of traditional polyethylene roof tile underlays.

10.4 When the products are used unsupported, there is a risk that fire can spread if they are accidentally ignited during maintenance works, eg by a roofer's or plumber's torch. As with all types of underlay, care should be taken during building and maintenance to avoid the material being ignited.

10.5 When the products are used in a fully supported situation, the reaction to fire will primarily be determined by the support.

## 11 Maintenance

As the products are confined within a roof structure and have suitable durability (see section 12), maintenance is not required. However, any damage occurring before enclosure must be repaired (see section 17).

## 12 Durability



The products will be virtually unaffected by the normal conditions found in a roof space and will have a life comparable with that of a traditional roof tile underlay, provided they are not exposed to sunlight for long periods (see section 14.5). Advice regarding exposure can be obtained from the Certificate holder.

## 13 Reuse and recyclability

The products contain polypropylene, which can be recycled.

## Installation

### 14 General

14.1 The products must be installed and fixed in accordance with the Certificate holder's instructions, the provisions of this Certificate and the relevant recommendations of BS 5534 : 2014, BS 8000-0 : 2014 and BS 8000-6 : 2013. Installation can be carried out under all conditions normal to roofing work.

14.2 The products are installed with the grey printed side uppermost and lapped to shed water out and down the slope.

14.3 The products have two parallel adhesive strips which must be sealed at all horizontal laps. When the products are laid without the strip, overlaps must be provided with the minimum dimensions given in Table 4.

Table 4 Minimum overlaps

Roof pitch (°)	Horizontal lap – untaped (mm)		Vertical lap (mm)
	Not fully supported	Fully supported	
12.5 < 15	225	150	100
≥15	150	100	100

14.4 As the underlay when used with the strips, is always laid with a 150mm overlap owing to the position of the adhesive strips, the minimum roof pitch is 15° when not fully supported and 12.5° when fully supported. In all cases, the vertical laps must be a minimum of 100 mm.

14.5 Where possible, eaves guards should be used to protect the product from sunlight and direct water into the gutter.

## **15 Procedure**

### **Unsupported**

15.1 The products, when installed as an unsupported system, are fixed in the traditional method for roof tile underlays, ie laid parallel to the eaves, draped between the rafters, with the dark grey printed side uppermost. The underlay is left 30 mm short of the ridge apex on both sides of the apex when ventilated at the ridge.

15.2 When the products are installed unsupported (draped), counter battens are not required. There must be a minimum air gap of 25 mm between the underlay and the insulation.

### **Fully supported**

15.3 The products are secured to the support with counter battens to allow any water on the surface of the underlay to drain to the gutter.

15.4 Ventilation of the batten cavity is not required except where tight-fitting slates, tiles or metal sheets are used. Roofs using these coverings require the batten cavity to be provided with 25 mm deep counter battens, and ventilated at both low-level (minimum value of 25000 mm<sup>2</sup> per metre run) and high-level (minimum value of 5000 mm<sup>2</sup> per metre run).

15.5 In hybrid roofs (room-in-roofs specifications) where the sloping section exceeds 2 m, the gap between the underlay and the insulation should be a minimum of 50 mm.

### **Roofs with a well-sealed ceiling**

15.6 The roof must be ventilated below the underlay at high level to a minimum value of 5000 mm<sup>2</sup> per metre run.

### **Roofs without a well-sealed ceiling**

15.7 The roof must be ventilated at a low level (minimum value of 10000 mm<sup>2</sup> per metre run) as well as at high level (minimum value of 5000 mm<sup>2</sup> per metre run).

## **16 Finishing**

16.1 Detailing of abutments, verges and hips must be in accordance with the Certificate holder's instructions.

16.2 Tiling and slating must be carried out in accordance with the relevant clauses of BS 5534 : 2014, BS 8000-0: 2014, BS 8000-6 : 2013 and the Certificate holder's instructions, especially when using tightly jointed slates or tiles

## **17 Repair**

Damage to the products can be repaired prior to the installation of slates or tiles by patching and sealing the damaged areas with an underlay repair tape. Care must be taken to ensure that the watertightness of the roof is maintained.



### 18 Tests

18.1 An assessment was made of data to BS EN 13859-1 : 2014 in relation to:

- dimensions
- mass per unit area
- straightness
- dimensional stability
- resistance to water penetration
- resistance to artificial ageing
- resistance to tearing
- tensile strength and elongation
- water vapour transmission
- watertightness of joints.

18.2 Tests were carried out to determine:

- slip resistance
- resistance to streaming water
- Mullen burst strength
- Resistance to wind loads

in order to assess:

- safety during installation
- performance under typical service conditions
- robustness during installation
- properties when installed.

### 19 Investigations

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.

## Bibliography

BS 5250 : 2011 + A1 : 2016 *Code of practice for control of condensation in buildings*

BS 5534 : 2014 + A2 : 2018 *Slating and tiling for pitched roofs and vertical cladding — Code of practice*

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

BS 8000-6 : 2013 *Workmanship on building sites — Code of practice for slating and tiling of roofs and walls*

BS EN 1991-1-4 : 2005 + A1 : 2010 *Eurocode 1 — Actions on structures — General actions*

NA to BS EN 1991-1-4 : 2005 + A1 : 2010 *UK National Annex to Eurocode 1 — Actions on structures — General actions*

BS EN 13141-1 : 2019 *Ventilation for buildings. Performance testing of components/products for residential ventilation — Externally and internally mounted air transfer devices*

BS EN 13501-1 : + A1 : 2010 *Fire classification of construction products and building elements — Classification using test data from reaction to fire tests*

BS EN 13859-1 : 2014 *Flexible sheets for waterproofing — Definitions and characteristics of underlays — Underlays for discontinuous roofing*

BS EN 60529 : 1992 + A2 : 2013 *Degrees of protection provided by enclosures (IP Code)*

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

## Conditions of Certification

### 20 Conditions

20.1 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.

20.2 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.

20.3 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.

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

20.5 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.

20.6 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.