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## Agrément Certificate

13/5026

Product Sheet 1

### VENTIA BREATHABLE MEMBRANES

### FOR USE IN WARM NON-VENTILATED AND COLD VENTILATED ROOFS

This Agrément Certificate Product Sheet<sup>(1)</sup> relates to Ventia Breathable Membranes, flexible three-layer polypropylene sheet materials for use as roof tile underlays in warm non-ventilated and cold ventilated pitched roof systems.

(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 and wind-blown rain 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 warm non-ventilated and cold ventilated roof systems (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 underlay. The products will reduce the wind uplift forces acting on the roof covering (see section 8).

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

**Properties in relation to fire** — the products are classified as Class E in accordance with EN/UNE 13501-1 : 2007/2019 and their use is restricted in some cases by the national Building Regulations (see section 10).

**Durability** — under the normal conditions found in a roof space, the products will have a service life comparable to a traditional roof tile underlay (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 use provided they are installed, used and maintained as set out in this Certificate.

On behalf of the British Board of Agrément

Date of Fifth issue: 10 March 2020

Originally certificated on 3 September 2013

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, Ventia Breathable Membranes for use in warm non-ventilated and cold ventilated roofs, 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 products can contribute to a roof satisfying 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 satisfying the relevant requirements of Regulation 9, Standards 1 to 6, and therefore will contribute to a construction meeting a bronze level of sustainability as defined in this Standard.
<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 of this Certificate.

### Additional Information

#### NHBC Standards 2020

In the opinion of the BBA, Ventia Breathable Membranes for use in warm non-ventilated and cold ventilated roofs, 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

Ventia Breathable Membranes for use in warm non-ventilated and cold ventilated roofs are three-layer polypropylene composites with the nominal characteristics given in Tables 1 and 2. Ventia Base T and Ventia 120T (with a single integral self-adhesive tape to allow sealing of overlaps), Ventia Base TT, Ventia 120TT, Ventia 105 TT, Ventia Iron TT, Ventia Silver TT and Ventia Gold TT (with a double integral self-adhesive tape to allow sealing of overlaps) are available.

Table 1 Nominal characteristics

Characteristic (unit)	Ventia Breathable Membranes		
	Ventia Base	Ventia 105	Ventia 120
Thickness (mm)	0.40	0.45	0.55
Mass per unit area ( $\text{g}\cdot\text{m}^{-2}$ )	95	105	120
Roll length (m) <sup>(1)</sup>	50	50	50
Roll width (m) <sup>(1)</sup>	1.5	1.5	1.5
Colour			
upper	various	various	various
lower	various	various	various
Tensile strength (N per 50 mm)			
longitudinal	210	210	245
transverse	105	130	175
Elongation (%)			
longitudinal	65	50	50
transverse	70	70	60
Tear resistance (N)			
longitudinal	75	80	130
transverse	90	100	140
Resistance to penetration of air ( $\text{m}^3\cdot\text{m}^2\cdot\text{h}^{-1}\cdot 50\text{ Pa}^{-1}$ )	0.045	0.050	0.050
Watertightness			
unaged	W1	W1	W1
aged <sup>(2)</sup>	W1	W1	W1
Equivalent air layer thickness $s_d$ (m)	0.02	0.02	0.02

(1) Other lengths and widths available.

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

**Table 2 Nominal characteristics**

Characteristic (unit)	Ventia Breathable Membranes		
	Ventia Iron	Ventia Silver	Ventia Gold
Thickness (mm)	0.55	0.70	0.70
Mass per unit area (g·m <sup>-2</sup> )	120	140	150
Roll length (m) <sup>(1)</sup>	50	50	50
Roll width (m) <sup>(1)</sup>	1.5	1.5	1.5
Colour			
upper	various	various	various
lower	various	various	various
Tensile strength [N per 50 mm]			
longitudinal	280	290	350
transverse	160	200	210
Elongation (%)			
longitudinal	65	50	60
transverse	80	70	75
Tear resistance (N)			
longitudinal	120	140	150
transverse	135	150	160
Resistance to penetration of air (m <sup>3</sup> ·m <sup>2</sup> ·h <sup>-1</sup> ·50 Pa <sup>-1</sup> )	0.050	0.050	0.040
Watertightness			
unaged	W1	W1	W1
aged <sup>(2)</sup>	W1	W1	W1
Equivalent air layer thickness <i>s<sub>d</sub></i> (m)	0.020	0.020	0.020

(1) Other lengths and widths available.

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

## 2 Manufacture

2.1 The membranes are manufactured by a ultrasonic-bonding/thermal bonding process in which a polypropylene breathable microporous film is bonded with non-woven polypropylene membranes to form a flexible sheet.

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 being operated by the manufacturer are being maintained.

## 3 Delivery and site handling

3.1 Rolls are delivered to site in packages that carry a label bearing the marketing company's name, the grade identification and the BBA logo incorporating the number of this Certificate.

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 Ventia Breathable Membranes for use in warm non-ventilated and cold ventilated roofs.

### 4 Use

The products are satisfactory for use as fully supported or unsupported underlays in tiled and slated warm non-ventilated and cold ventilated pitched roof systems constructed in accordance with the relevant clauses of BS 5534 : 2014.

### 5 Practicability of installation

The products are designed to be installed by competent slaters/tilers experienced with these types of products.

### 6 Weathertightness



6.1 The products are Class W1 in accordance with BS EN 13859-1 : 2014 and will resist the passage of water, 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 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 2 *Permeable Roof Tile Underlay — Guide to Good Site Practice*.

### 7 Risk of condensation

7.1 For design purposes, the products' 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.

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.

7.3 The risk of condensation 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 dries out. See BBA Information Bulletin No. 1 *Roof Tile Underlays in Cold Roofs during the Drying-out Period*.

#### Horizontal ceiling and insulation (cold roof)

7.4 Roofs designed and constructed in accordance with BS 5250 : 2011 will adequately limit the risk of interstitial condensation.

7.5 Alternatively, ridge or high-level ventilation<sup>(1)</sup> equivalent to a continuous opening of 5 mm may be used. If this approach is adopted, users should refer to Product Sheet 2 of this Certificate, in particular the additional guidance relating to limiting the risk of interstitial condensation.

(1) The provision of high level ventilation, when using an LR underlay in cold pitched roofs, is a requirement under *NHBC Standards 2020*, Chapter 7.2.

#### Inclined ceiling and insulation (warm roof)

7.6 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.

## Partially inclined ceiling and insulation (warm and cold roof)

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

## 8 Wind loading

8.1 Project design wind speeds for the roof in which the products are 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 3, where a well-sealed ceiling, as defined in BS 9250 : 2007, Clause 3.7, is present and the roof has a ridge height  $\leq 15$  m, a pitch between 12.5 and 75°, and a site altitude  $\leq 100$  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 4.

*Table 3 Zones of applicability of Ventia membranes with battened laps and integral laps, according to BS 5534 : 2014, clause A.8*

Product	$\leq 345$ mm batten gauge with battened laps	$\leq 250$ mm batten gauge with battened laps	$\leq 345$ mm batten gauge with integrated taped laps
Ventia Base	Zone 1	Zones 1 to 5	—
Ventia 105	Zones 1 to 2	Zones 1 to 5	—
Ventia 120	Zones 1 to 3	Zones 1 to 5	—
Ventia Iron	Zone 1	Zones 1 to 5	—
Ventia Silver	Zone 1	Zones 1 to 5	—
Ventia Gold	Zones 1 to 3	Zones 1 to 5	—
Ventia Base T	—	—	Zones 1 to 5
Ventia Base TT	—	—	Zones 1 to 5
Ventia 105 TT	—	—	Zones 1 to 5
Ventia 120 T	—	—	Zones 1 to 5
Ventia 120 TT	—	—	Zones 1 to 5
Ventia Iron TT	—	—	Zones 1 to 5
Ventia Silver TT	—	—	Zones 1 to 5
Ventia Gold TT	—	—	Zones 1 to 5

*Table 4 Declared wind uplift resistance (Pa)*

Product	$\leq 345$ mm batten gauge with battened laps <sup>(2)</sup>	$\leq 250$ mm batten gauge with battened laps <sup>(1)(2)</sup>	$\leq 345$ mm batten gauge with integrated taped laps <sup>(2)</sup>
Ventia Base	902	2061	—
Ventia 105	1104	2311	—
Ventia 120	1196	2501	—
Ventia Iron	953	2064	—
Ventia Silver	935	>1600	—
Ventia Gold	1214	2720	—
Ventia Base T	—	—	2302
Ventia Base TT	—	—	2257
Ventia 105 TT	—	—	2536
Ventia 120 T	—	—	2978
Ventia 120 TT	—	—	3223
Ventia Iron TT	—	—	1881
Ventia Silver TT	—	—	2066
Ventia Gold TT	—	—	2650

(1) Underlays with a wind uplift resistance at a 250 mm batten gauge that satisfy the minimum design wind pressure of 820 Pa for Zone 1 are deemed to satisfy the requirements for use at 100 mm batten gauge in all Wind Zones.

(2) 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 sheathing, for example OSB, plywood, chipboard and insulation for warm-roof design. 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 loads associated with installation of the roof.

## 10 Properties in relation to fire



10.1 The products have the classifications given in Table 5.

*Table 5 Classifications*

Product	EN/UNE 13501-1 version and classification <sup>(1)</sup>	
Ventia Base	E, d2	2007
Ventia 105	E	2019
Ventia 120	E	2019
Ventia Silver	E	2019
Ventia Iron	E	2019
Ventia Gold	E	2019

(1) Report references 75/13, 109/19, 93/1/19, 108/19, 93/19 and 123/16 issued by IMBiGS. The reports are available from the Certificate holder upon request.



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 service 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 coloured or printed side uppermost and lapped to shed water out and down the slope.

14.3 Overlaps must be provided with the minimum dimensions given in Table 6. It is recommended that vertical joints in the membrane are avoided. Where required, any possible vertical laps should be completed carefully. The edges of both strips of the membrane should be glued together, curled up, and fixed with staples directly to the rafters.

Table 6 Minimum overlaps

Roof pitch (°)	Horizontal Lap – untaped, and integrated taped (single and double) (mm)		Vertical lap (mm)
	Not fully supported	Fully supported	
12.5 < 15	200	200	150
≤22	200	200	150
>22 to 35	150	150	150
35+	150	150	150

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

### 15 Procedure

15.1 The products, when installed as an unsupported system, are fixed in the traditional method for roof tile underlays, ie draped between the rafters.

#### Fully supported

15.2 The products may be used over sarking boards of softwood, C4 grade chipboard or water-resistant grade OSB, and with either continuous insulation or insulation placed between the rafters.

15.3 The products are secured to the support with counterbattens at least 12 mm thick to create an air space between the products and the tiles for drainage and vapour dispersal. Where the roof covering is airtight, as described in BS 5250 : 2011, the counter batten should be a minimum 25 mm deep to provide batten space ventilation. The counterbattens are fixed with corrosion-resistant staples or galvanized clout nails as appropriate. Tiling battens are secured to the counterbattens and rafters with appropriate fixings.

15.4 Care must be taken to minimise the risk of interstitial condensation as described in section 7.5, particularly for timber sarking which may be below the dew-point for extended periods during winter months.

### 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 replacing the damaged areas by patching and sealing correctly. Care should be taken to ensure that the watertightness of the roof is maintained.

## Technical Investigations

## 18 Tests

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

- dimensions
- mass per unit area
- tensile strength and elongation
- resistance to tear
- dimensional stability
- resistance to penetration of air
- resistance to water penetration
- resistance to artificial ageing
- reaction to fire
- water vapour transmission
- watertightness of seams.

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

19.1 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.

19.2 The condensation risk in warm roof constructions, and specifically those containing sarking boards, incorporating the products was assessed.

## 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 9250 : 2007 *Code of practice for design of the airtightness of ceilings in pitched roofs.*

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

EN 13501-1 : 2007 + A1 : 2010 *Fire classification of construction products and building elements — Classification using test data from reaction to fire tests*

UNE EN 13501-1 : 2019 *Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests*

### 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.