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Agrément Certificate
15/5208
Product Sheet 2 Issue 4

VISQUEEN WATERPROOFING MEMBRANES

VISQUEEN GAS RESISTANT SELF ADHESIVE MEMBRANE

This Agrément Certificate Product Sheet(1) relates to Visqueen Gas Resistant Self Adhesive Membrane, a self-adhesive, polymer-modified bitumen membrane, incorporating an aluminium foil layer on a polymer backing film. The product is for use as a damp-proof and waterproof membrane, and as an externally applied tanking below ground and for protection from methane, carbon dioxide and radon gases from the ground.

(1) Hereinafter referred to as 'Certificate'.



The assessment includes

Product factors:

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

Process factors:

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

Ongoing contractual Scheme elements†:

- regular assessment of production
- formal 3-yearly review

KEY FACTORS ASSESSED

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

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

On behalf of the British Board of Agrément

Date of Fourth issue: 4 July 2024
Originally certified on 20 April 2015

Hardy Giesler
Chief Executive Officer

This BBA Agrément Certificate is issued under the BBA's Inspection Body accreditation to ISO/IEC 17020. Sections marked with † are not issued under accreditation.
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The Certificate should be read in full as it may be misleading to read clauses in isolation.
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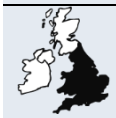
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SUMMARY OF ASSESSMENT AND COMPLIANCE

This section provides a summary of the assessment conclusions; readers should refer to the later sections of this Certificate for information about the assessments carried out.

Compliance with Regulations

Having assessed the key factors, the opinion of the BBA is that Visqueen Gas Resistant Self Adhesive Membrane, if installed, used and maintained in accordance with this Certificate, can satisfy or contribute to satisfying the relevant requirements of the following Building Regulations:



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

Requirement:	**C1(2)**	**Site preparation and resistance to comtaminants**
Comment:		The product, including joints, can contribute to a structure satisfying this Requirement. See section 3 of this Certificate.
Requirement:	**C2(a)**	**Resistance to moisture**
Comment:		The product, including joints, will enable a structure to satisfy this Requirement. See section 3 of this Certificate.
Regulation:	**7(1)**	**Materials and workmanship**
Comment:		The product is acceptable. See sections 8 and 9 of this Certificate.



The Building (Scotland) Regulations 2004 (as amended)

Regulation:	**8(1)**	**Fitness and durability of materials and workmanship**
Comment:		The product can contribute to a construction satisfying this Regulation. See sections 8 and 9 of this Certificate.
Regulation:	**9**	**Building standards – construction**
Standard:	3.1	Site preparation – harmful and dangerous substances
Standard:	3.2	Standard preparation – protection from radon gas
Comment:		The product, including joints, can contribute to satisfying these Standards, with reference to clauses 3.1.2[(1)(2)], 3.1.6[(1)(2)], 3.1.7[(1)(2)], 3.1.8[(1)(2)], 3.2.1[(1)(2)] and 3.2.2[(1)(2)]. See section 3 of this Certificate.
Standard:	**3.4**	**Moisture from ground**
Comment:		The product, including joints, will enable a structure to satisfy this Standard, with reference to clause 3.4.7[(1)(2)]. See section 3 of this Certificate.
Standard:	**7.1(a)**	**Statement of sustainability**
Comment:		The product 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.
Regulation:	**12**	**Building standards – conversion**
Comment:		All comments given for the product under Regulation 9, Standards 1 to 6, also apply to this Regulation, with reference to clause 0.12.1[(1)(2)] and Schedule 6[(1)(2)]

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

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

Regulation:	**23(1)(a)(i) (iii)(b)(i)**	**Fitness of materials and workmanship**
Comment:		The product is acceptable. See sections 8 and 9 of this Certificate.
Regulation:	**26(1)(b)(2)**	**Site preparation and resistance to contaminants**
Comment:		The product, including joints, can contribute to a structure satisfying this Regulation. See section 3 of this Certificate.
Regulation:	**28(a)**	**Resistance to moisture and weather**
Comment:		The product, including joints, will enable a structure to satisfy this Regulation. See section 3 of this Certificate.

Additional Information

NHBC Standards 2024

In the opinion of the BBA, Visqueen Self Adhesive Membrane, if installed, used and maintained in accordance with this Certificate, can satisfy or contribute to satisfying the relevant requirements in relation to *NHBC Standards*, Chapters 4.1 *Land quality – managing ground conditions*, 5.1 *Substructure and ground bearing floors* and 5.4 *Waterproofing of basements and other below ground structures.*

Where Grade 2 or 3 protection is required and the below ground wall retains more than 600 mm measured from the top of the retained ground to the lowest finished floor level, the product must be used in combination with either Type B or C waterproofing protection, as defined in BS 8102 : 2022.

The Certificate holder should be consulted for approved Type B and C solutions.

Fulfilment of Requirements

The BBA has judged Visqueen Gas Resistant Self Adhesive Membrane to be satisfactory for use as described in this Certificate. The product has been assessed as a self-adhesive, polymer-modified bitumen membrane, incorporating an aluminium foil layer on a polymer backing film, for use as a gas-resistant, damp-proof and waterproof membrane, and as an externally applied tanking below ground.

ASSESSMENT

Product description and intended use

The Certificate holder provided the following description for the product under assessment.

Visqueen Gas Resistant Self Adhesive Membrane is a self-adhesive, styrene butadiene styrene (SBS) polymer-modified bitumen membrane incorporating an aluminium foil layer on a polymer backing film.

The product has the nominal characteristics given in Table 1.

Table 1 Nominal characteristics of Visqueen Gas Resistant Self Adhesive Membrane

Characteristic (unit)	
Thickness (mm)	1.2
Width (m)	20
Length (m)	1

Ancillary items

Visqueen High Performance Tanking Primer is a modified-bitumen solution used to prepare substrates prior to application of the product and has been assessed with the product.

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

- Visqueen Protect & Drain — used to protect the product during backfilling operations and also to promote drainage of water away from the structure
- Visqueen TreadGUARD 1500 — protection board
- Visqueen Ultimate Top Hat Units — for sealing service and pipe penetrations
- Visqueen Detailing Strip — for sealing complex junctions and stanchions
- Visqueen Pile Cap Sealer — for waterproofing around pile caps
- Visqueen IGW5 and IGW10 Waterstops — swellable polymer waterstops designed to prevent the ingress of water through cast in-situ concrete construction joints, and to seal around pile cap penetrations
- Visqueen VX25 Waterstop — a sodium bentonite hydrophilic waterstop designed to prevent the ingress of water through cast in-situ concrete construction joints, and to seal around pile cap penetrations
- Visqueen Waterstop Adhesive — used to secure and seal Visqueen Waterstops in cast in-situ concrete joints and pile cap applications.

Applications

The product is intended for use as a Type A waterproofing membrane as defined in BS 8102 : 2022 for waterproofing on new-build underground structures, and as a damp-proofing membrane for solid floors in accordance with the relevant clauses of CP 102 : 1973, Section 3.

The product is also satisfactory for use as a gas-resistant barrier to restrict the ingress of radon, methane and carbon dioxide gases into buildings from landfill and from naturally-occurring sources.

The product can be used internally and externally to suitably prepared substrates listed below:

- smooth brickwork
- blockwork
- concrete
- screeds.

Definitions for products and applications inspected

A gas-resistant membrane (as defined in BS 8485 : 2015) is defined for the purpose of this Certificate as a membrane placed above, below or within the floor slab construction to resist methane and carbon dioxide migration from the ground into a building.

Product assessment – key factors

The product was assessed for the following key factors, and the outcome of the assessment is shown below. Conclusions relating to the Building Regulations apply to the whole of the UK unless otherwise stated.

1 Mechanical resistance and stability

Not applicable.

2 Safety in case of fire

Not applicable.

3 Hygiene, health and the environment

Data were assessed for the following characteristics.

3.1 Resistance to water and water vapour

3.1.1 Results of resistance to water and water vapour tests are given in Table 2.

Table 2 Results of resistance to water and water vapour tests

Product assessed	Assessment method	Requirement	Result
Visqueen Gas Resistant Self Adhesive Membrane	Determination of watertightness to EN 1928 : 2000 at 60 kPa	No leakage	Pass
Visqueen Gas Resistant Self Adhesive Membrane	Determination of peel resistance of joints to EN 12316-1 : 2000 Control	Value achieved	27 N·(50 mm)$^{-1}$
Visqueen Gas Resistant Self Adhesive Membrane	Determination of shear resistance of joints to BS EN 12317-1 : 2000 Control	Value achieved	269 N·(50 mm)$^{-1}$
Visqueen Gas Resistant Self Adhesive Membrane	Determination of shear resistance to joints to EN 12317-1 : 2000 Longitudinal direction Transverse direction	Value achieved	 277 N·(50 mm)$^{-1}$ 268 N·(50 mm)$^{-1}$
Visqueen Gas Resistant Self Adhesive Membrane	Resistance to delamination to EOTA TR-004 : 2004 Control	Value achieved	367 kPa

3.1.2 Water vapour properties were assessed on the basis of test data from a representative related product.

3.1.3 On the basis of data assessed, the product, including joints, when completely sealed and consolidated, will adequately resist the passage of moisture into a construction and so satisfy the requirements of the national Building Regulations.

3.1.4 The adhesion of the product to the substrate and to itself, with joints as described in this Certificate, is satisfactory.

3.2 Resistance to hazardous ground gases

3.2.1 Results of the resistance to hazardous ground gases are given in Table 3.

Table 3 Results of resistance to hazardous ground gases tests

Gas	Method	Requirement	Result
Visqueen Gas Resistant Self Adhesive Membrane Unjointed membrane	Determination of methane permeability to ISO 15105-1 (B) : 2007	As per BS 8485 : 2015 < 40 ml·m^{-2}·day^{-1}·atm^{-1}	< 5 ml·m^{2}·day^{-1}·atm^{-1}
Visqueen Gas Resistant Self Adhesive Membrane	Radon transmittance and permeability to a SP Swedish National Testing and Research Institute test method Transmittance Permeability	Value achieved	 0.47 x 10^{-9} m·s^{-1} 0.56 x 10^{-12} m·s^{-1}

3.2.2 On the basis of data assessed, the product will restrict the ingress of radon, methane and carbon dioxide gases into buildings from landfill and naturally-occurring sources, and satisfy the performance criteria for a gas-resistant membrane as defined in BS 8485 : 2015.

3.3 Resistance to mechanical damage

3.3.1 Results of strength and stability tests are given in Table 4.

Table 4 Mechanical damage results

Product assessed	Assessment method	Requirement	Result
Visqueen Gas Resistant Self Adhesive Membrane	Determination of flexibility at low temperature to BS EN 1109 : 2013 Control	Test temperature -20°C	Pass
Visqueen Gas Resistant Self Adhesive Membrane	Determination of resistance to impact to EN 12691 : 2001	Value achieved	
	aluminium substrate		1750 mm
	expanded polystyrene (EPS) substrate		1000 mm
Visqueen Gas Resistant Self Adhesive Membrane	Determination of static loading to EN 12730 : 2001	Value archived	
	aluminium substrate		l_{20}
	EPS substrate		l_{15}
Visqueen Gas Resistant Self Adhesive Membrane	Resistance to chisel impact to BBA Internal Test Specification T1/13 : 1997	Level of damage	
	0°C		Surface mark
	23°C		Surface mark
Visqueen Gas Resistant Self Adhesive Membrane	Resistance to tearing (nail shank) to EN 12310-1 : 2000	Value archived	
	Longitudinal direction		69.7 N
	Transverse direction		69.7 N
Visqueen Gas Resistant Self Adhesive Membrane	Determination of tensile strength to BS EN 12311-1 : 2000	Value achieved	
	Longitudinal direction		205 N·(50 mm)$^{-1}$
	Transverse direction		245 N·(50 mm)$^{-1}$
	Control		
Visqueen Gas Resistant Self Adhesive Membrane	Elongation at maximum load to BS EN 12311-1 : 2000	Value achieved	
	Longitudinal direction		32%
	Transverse direction		51%
	Control		
Visqueen Gas Resistant Self Adhesive Membrane	Tensile strength to EN 12311-1 : 2000	Value achieved	
	Longitudinal direction		230 N·(50 mm)$^{-1}$
	Transverse direction		235 N·(50 mm)$^{-1}$
Visqueen Gas Resistant Self Adhesive Membrane	Elongation at maximum load to EN 12311-1 : 2000	Value achieved	
	Longitudinal direction		33.2%
	Transverse direction		36.5%

3.2.2 On the basis of data assessed, the product can accept, without damage, the limited foot traffic and light concentrated loads associated with installation and maintenance. Reasonable care is required however, to avoid puncture by sharp objects or concentrated loads.

3.2.3 The product can accommodate the minor structural movements likely to occur in service and remain watertight.

3.2.4 On the basis of data assessed, the product remains flexible at the minimum recommended installation temperature.

4 Safety and accessibility in use

Not applicable.

5 Protection against noise

Not applicable.

6 Energy economy and heat retention

Not applicable.

7 Sustainable use of natural resources

Not applicable.

8 Durability

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

8.2 The specific test data were assessed, as given in Table 4.

Table 4 Results of durability tests

Product assessed	Assessment method	Requirement	Result
Visqueen Gas Resistant Self Adhesive Membrane	Resistance to delamination to EOTA TR-004 : 2004 Immersed in water for 28 days at 23°C	Value achieved	399 kPa
Visqueen Gas Resistant Self Adhesive Membrane	Determination of flexibility at low temperature to BS EN 1109 : 2013 Control Heat aged for 84 days at 70°C	Test temperature -20°C	 Pass Pass
Visqueen Gas Resistant Self Adhesive Membrane	Determination of shear resistance of joints to BS EN 12317-1 : 2000 Immersed in water for 28 days at 23°C	Value achieved	267 N·(50mm)$^{-1}$
Visqueen Gas Resistant Self Adhesive Membrane	Resistance to fatigue to EOTA TR-008 : 2004 at -10°C for 50 cycles Heat aged for 84 days at 70°C	No leakage	Pass
Visqueen Gas Resistant Self Adhesive Membrane	Softening temperature to EN 1110 : 2000	Value achieved	90°C
Visqueen Gas Resistant Self Adhesive Membrane	Tensile strength to BS EN 12311-1 : 2000 Heat aged for 84 days at 70°C Longitudinal direction Transverse direction	Value achieved	 215 N·(50 mm)$^{-1}$ 265 N·(50 mm)$^{-1}$
Visqueen Gas Resistant Self Adhesive Membrane	Elongation at maximum load to BS EN 12311-1 : 2000 Heat aged for 84 days at 70°C Longitudinal direction Transverse direction	Value achieved	 31% 71%

8.3 Service life

Under normal service conditions, the product will have a life at least equivalent to the structure in which it is incorporated provided it is designed, installed and maintained in accordance with this Certificate and the Certificate holder's instructions.

PROCESS ASSESSMENT

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

9 Design, installation, workmanship and maintenance

9.1 Design

9.1.1 The design process was assessed, and the following requirements apply in order to satisfy the performance assessed in this Certificate.

9.1.2 The product is intended for use as a fully bonded, Type A waterproofing protection as defined in BS 8102 : 2022, for waterproofing of new and existing structures and as a damp-proofing membrane for solid floors in accordance with the relevant clauses of CP 102 : 1973, Section 3.

9.1.3 The product can be used internally and externally, or as a damp-proof and waterproof membrane for solid floors and tanking below ground to provide an effective barrier to the transmission of liquid water where Grades 1 to 3 waterproofing protection is required, as defined in BS 8102 : 2022, Table 2.

9.1.4 The product is resistant to those chemicals likely to be present in normal service conditions. However, care must be taken to prevent contact with oils and solvents.

9.1.5 An initial site survey must be carried out by a suitably experienced and competent individual to establish the required level of protection.

9.1.6 The product can be externally applied to provide an effective barrier to the transmission of liquid water where Grades 1 to 3 waterproofing protection is required, as defined in Table 2 of BS 8102 : 2022.

9.1.7 Where Grade 3 waterproofing protection is required, the environment must be controlled by the use of ventilation, dehumidification and/or air conditioning, as appropriate, to ensure dampness does not occur. See also the *Additional Information* part of this Certificate relating to *NHBC Standards* 2024.

9.1.8 The design of gas protection systems must be carried out by suitably experienced and competent individuals with sufficient knowledge of ground gas risk and the relevant construction methods and materials.

9.1.9 The continuity of the gas protection must extend over the footprint of the building, and the product must be sealed to a gas-resistant damp proof course (DPC) where applicable.

9.1.10 Where the construction is subject to NHBC requirements, please refer to *NHBC NF94 Hazardous Ground gas – an essential guide for housebuilders.*

9.2 Installation

9.2.1 Installation instructions provided by the Certificate holder were assessed and judged to be appropriate and adequate.

9.2.2 Installation must be carried out in accordance with this Certificate, the Certificate holder's instructions and the relevant requirements of BS 8000-0 : 2014, BS 8000-4 : 1989, BS 8102 : 2022 and CP 102 : 1973, section 3.

9.2.3 Installation of the product must be carried out in accordance with this Certificate and the Certificate holder's instructions following the relevant guidance given in BRE Report BR 211 : 2023, BS 8485 : 2015 and NHBC NF 94.

9.2.4 All gas membrane installation must be subject to third-party independent validation, in accordance with BS 8485 : 2015.

9.2.5 Concrete or screeded surfaces must have a smooth finish, free from loosely adhering material and sharp protrusions. The substrate must be dry and dust-free.

9.2.6 Vertical surfaces of brickwork, blockwork and, if necessary, masonry, must be rendered to provide an even surface. Brickwork or blockwork not rendered must be flush pointed to give a smooth surface without sudden changes in level.

9.2.7 The product can be installed in all normal site conditions. The air temperature must be above 5°C and below 35°C to prevent the risk of surface condensation.

9.2.8 Surfaces must be primed with Visqueen High Performance Tanking Primer, typically at a coverage rate of between 6 and 8 m^2 per litre, and allowed to dry before application of the product.

9.2.9 The release film is removed prior to applying the product to the prepared substrate. In all cases, as the sheet is laid the product must be pressed firmly from the middle to prevent trapping air.

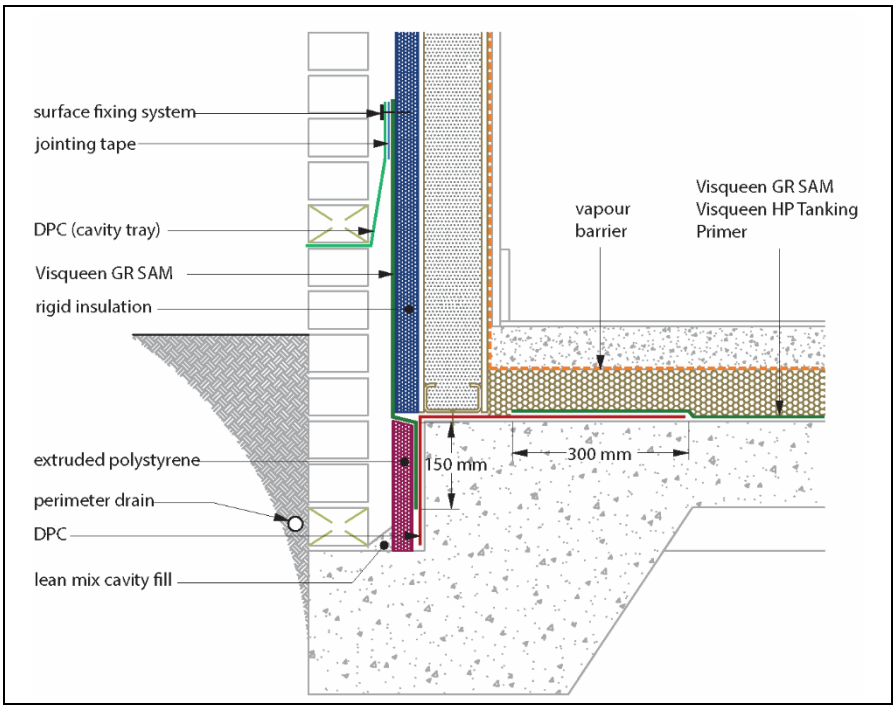
9.2.10 Overlaps must be a minimum of 150 mm. The surface to be overlapped must be dust-free and the product pressed down to ensure a watertight bond.

9.2.11 The product must be covered by a screed or other protective layer as soon as possible after installation. If blockwork protection is used, care must be taken to avoid damage to the product during construction.

9.2.12 At low temperatures, temporary batten support at the top of the product is recommended prior to protection and backfilling.

9.2.13 For solid concrete floors, it is essential that the product in the floor is continuous with the damp-proof course (DPC) in the surrounding walls. This is achieved by continuing the product up internal wall surfaces to tie in with the DPC. A sand/cement screed or suitable protection layer must be laid immediately after the installation to prevent damage (see Figure 1). The Certificate holder can advise on suitable materials for this purpose but such advice and products are outside the scope of this Certificate.

Figure 1 Typical perimeter detail, metal frame stud framing system(1)



(1) GR SAM = Gas Resistant Self Adhesive Membrane

9.2.14 For external tanking, when the foundation block extends beyond the concrete structure, the product must be applied to the horizontal surface, extended up the outer face of the wall and cut into it.

9.2.15 A protection wall of brickwork or blockwork or other suitable layer must be used against the product, to protect it against puncture during backfilling, or subsequently by the backfill. The Certificate holder can advise on suitable materials for this purpose but such advice and products are outside the scope of this Certificate.

9.2.16 Detailed consideration must be given to all service penetrations in tanking installations. The Certificate holder can advise on suitable materials for this purpose but such advice and products are outside the scope of this Certificate.

9.3 Workmanship

Practicability of installation was assessed, on the basis of the Certificate holder's information and site visits to witness installations in progress. To achieve the performance described in this Certificate, the product is designed to be installed by a contractor experienced with this type of product.

9.4 Maintenance and repair

9.4.1 As the product is confined and has suitable durability, maintenance is not required.

9.4.2 Minor damage to the product can be repaired by patching prior to the application of protection and backfilling. Badly damaged areas must be replaced prior to the application of protection and backfilling.

10 Manufacture

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

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

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

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

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

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

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

11 Delivery and site handling

11.1 The Certificate holder stated that the product is delivered in to site in boxed rolls on a pallet. Each roll is wrapped in a pre-printed film bearing the company details, product name and the BBA logo incorporating the number of this Certificate.

11.2 Each roll has a nominal weight of 32 kg.

11.3 Visqueen High Performance Tanking Primer is delivered to site in 5-litre cans.

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

Rolls must be stored in an upright position at a temperature between 5 and 40°C in dry warehouse conditions.

ANNEX A – SUPPLEMENTARY INFORMATION †

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

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

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

CLP Regulations

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

CE marking

The Certificate holder has taken the responsibility of CE marking the product in accordance with harmonised Standard EN 13969 : 2004.

Management Systems Certification for production

The management system of the manufacturer has been assessed and registered as meeting the requirements of EN ISO 9001 : 2015 by TUV Hessen (Certificate 731001314).

Bibliography

BBA Internal Test Specification T1/13, Issue 1 : 1997 *Resistance to chisel impact*

BRE Report BR 211 : 2023 *Radon : Guidance on protective measures for new buildings*

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 8102 : 2022 *Code of practice for protection of below ground structures against water from the ground*

BS 8485 : 2015 + A1 : 2019 *Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings*

BS EN 1109 : 2013 *Flexible sheets for waterproofing Bitumen sheets for roof waterproofing — Determination of flexibility at low temperature*

BS EN 12311-1 : 2000 *Flexible sheets for waterproofing — Determination of tensile properties — Bitumen sheets for roof waterproofing*

BS EN 12317-1 : 2000 *Flexible sheets for waterproofing — Bitumen sheets for roof waterproofing — Determination of shear resistance of joints*

CP 102 : 1973 *Code of practice for protection of buildings against water from the ground*

EN 1110 : 2000 *Flexible sheets for waterproofing — Bitumen sheets for roof waterproofing — Determination of flow resistance at elevated temperature*

EN 1928 : 2000 *Flexible sheets for waterproofing — Bitumen, plastic and rubber sheets for roof waterproofing*

EN 12691 : 2001 *Flexible sheets for waterproofing — Bitument, plastic and rubber sheets for roof waterproofing — Determination of resistance to impact*

EN 12311-1 : 2000 *Flexible sheets for waterproofing — Determination of tensile properties — Bitumen sheets for roof waterproofing*

EN 12310-1 : 2000 *Flexible sheets for waterproofing — Determination of resistance to testing (nail shank)*

EN 12316-1 : 2000 *Flexible sheets for waterproofing — Determination of peel resistance of joints — Bitumen sheets for roof waterproofing*

EN 12317-1 : 2000 *Flexible sheets for waterproofing — Bitumen sheets for roof waterproofing — Determination of shear resistance of joints*

EN 12730 : 2001 *Flexible sheets for waterproofing — Bitumen, plastic and rubber sheets for roof waterproofing — Determination of resistance to static loading*

EN 13969 : 2004 *Flexible sheets for waterproofing — Bitumen damp proof sheets including bitumen basement tanking sheets — Definitions and characteristics*

EN ISO 9001 : 2015 *Quality Management Systems — Requirements*

EOTA TR-004 : 2004 *Determination of the resistance to delamination*
EOTA TR-008 : 2004 *Determination of the resistance to fatigue movement*

ISO 15105-1 : 2007 *Plastics — Film and sheeting — Determination of gas-transmission rate — Part 1 : Differential-pressure methods*

SP Swedish National Testing and Research Institute test method *Determination of radon transmittance and permeability*

Conditions of Certificate

Conditions

1 This Certificate:

- relates only to the product that is named and described on the front page
- is issued only to the company, firm, organisation or person named on the front page – no other company, firm, organisation or person may hold or claim that this Certificate has been issued to them
- is valid only within the UK
- has to be read, considered and used as a whole document – it may be misleading and will be incomplete to be selective
- is copyright of the BBA
- is subject to English Law.

2 Publications, documents, specifications, legislation, regulations, standards and the like referenced in this Certificate are those that were current and/or deemed relevant by the BBA at the date of issue or reissue of this Certificate.

3 This Certificate will be displayed on the BBA website, and the Certificate Holder is entitled to use the Certificate and Certificate logo, provided that the product and its manufacture and/or fabrication, including all related and relevant parts and processes thereof:

- are maintained at or above the levels which have been assessed and found to be satisfactory by the BBA
- continue to be checked as and when deemed appropriate by the BBA under arrangements that it will determine
- are reviewed by the BBA as and when it considers appropriate.

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

5 In issuing this Certificate the BBA is not responsible and is excluded from any liability to any company, firm, organisation or person, for any matters arising directly or indirectly from:

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

6 Any information relating to the manufacture, supply, installation, use, maintenance and removal of this product which is contained or referred to in this Certificate is the minimum required to be met when the product is manufactured, supplied, installed, used, maintained and removed. It does not purport in any way to restate the requirements of the Health and Safety at Work etc. Act 1974, or of any other statutory, common law or other duty which may exist at the date of issue or reissue of this Certificate; nor is conformity with such information to be taken as satisfying the requirements of the 1974 Act or of any statutory, common law or other duty of care.

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