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**Agrément Certificate**
**94/3059**
Product Sheet 1 Issue 8

# ZEDEX HIGH PERFORMANCE DAMP-PROOFING SYSTEM

# ZEDEX CPT HIGH PERFORMANCE DAMP-PROOF COURSE

This Agrément Certificate Product Sheet(1) relates to Zedex CPT High Performance Damp-proof Course, for use in a providing horizontal, vertical or stepped damp-proof course (DPC), including cavity trays, in either solid or cavity external walls of brick, block, stone or concrete, in masonry, timber-frame or lightweight steel-frame constructions. The system can also be used as part of a system to protect a building from the ingress of radon 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 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 Eighth issue 13 March 2025
Originally certified on 26 October 1994

Hardy Giesler
Chief Executive Officer



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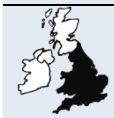
## SUMMARY OF ASSESSMENT AND COMPLIANCE

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 Zedex CPT High Performance Damp-proof Course, 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:** | **A1** | **Loading** |
| Comment: | | The system will contribute to satisfying this Requirement. See section 1 of this Certificate. |
| **Requirement:** | **B4(1)** | **External fire spread** |
| Comment: | | The system is restricted by this Requirement, in some circumstances. See section 2 of this Certificate. |
| **Requirement:** | **C1(2)** | **Site preparation and resistance to contaminants** |
| Comment: | | The system will contribute to satisfying this Requirement. See section 3 of this Certificate. |
| **Requirement:** | **C2(a)(b)** | **Resistance to moisture** |
| Comment: | | The system, including joints, will enable a structure to satisfy this Requirement. See section 3 of this Certificate. |
| **Regulation:** | **7(1)** | **Materials and workmanship** |
| Comment: | | The system is acceptable. See sections 8 and 9 of this Certificate. |

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

| | | |
|---|---|---|
| **Regulation:** | **8(1)(2)** | **Fitness and durability of materials and workmanship** |
| Comment: | | The system is acceptable. See sections 8 and 9 of this Certificate. |
| **Regulation:** | **9** | **Building standards - construction** |
| Standard: | 1.1 (a)(b) | Structure |
| Comment: | | The system will contribute to satisfying this Standard, with reference to clauses 1.1.1$^{(1)(2)}$ and 1.1.3$^{(1)(2)}$. See section 1 of this Certificate. |
| Standard: | 3.1 | Site preparation – harmful and dangerous substances |
| Standard: | 3.2 | Site preparation – protection from radon gas |
| Comment: | | The system can contribute to satisfying these Standards, with reference to clauses 3.1.2$^{(1)(2)}$, 3.1.6$^{(1)(2)}$ and 3.2.2$^{(1)(2)}$. See section 3 of this Certificate. |
| Standard: | 3.4 | Moisture from the ground |
| Standard: | 3.10 | Precipitation |
| Comment: | | The system, including joints, will contribute to satisfying with these Standards, with reference to clauses 3.4.1$^{(1)(2)}$ and 3.10.1$^{(1)(2)}$. See section 3 of this Certificate. |
| Standard: | 7.1(a) | Statement of sustainability |
| Comment: | | The system 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 system under Regulation 9, Standards 1 to 6, also apply to this Regulation, with reference to clause 0.12.1[(1)(2)] and Schedule 6[(1)(2)].<br><br>(1) Technical Handbook (Domestic).<br>(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 system is acceptable. See sections 8 and 9 of this Certificate. |
| **Regulation:** | **26(1)(b) (2)** | **Site preparation and resistance to contaminants** |
| Comment: | | The system will contribute to satisfying this Regulation. See section 3 of this Certificate. |
| **Regulation:** | **28(a)(b)** | **Resistance to moisture and weather** |
| Comment: | | The system, including joints, will contribute to satisfying this Regulation. See section 3 of this Certificate. |
| **Regulation:** | **30(a)** | **Stability** |
| Comment: | | The system will contribute to satisfying this Regulation. See section 1 of this Certificate. |
| **Regulation:** | **36(a)** | **External fire spread** |
| Comment: | | The system is restricted by this Regulation, in some circumstances. See section 2 of this Certificate. |

## Additional Information

### NHBC Standards 2025

In the opinion of the BBA, Zedex CPT High Performance Damp-proof Course, if installed and used in accordance with this Certificate, can satisfy or contribute to satisfying the relevant requirements in relation to *NHBC Standards*, Chapters 6.1 *External masonry walls* 6.2 *External timber framed walls and* 6.10 *Light steel framed walls and floors*.

## Fulfilment of Requirements

The BBA has judged Zedex CPT High Performance Damp-proof Course to be satisfactory for use as described in this Certificate. The system has been assessed for use in providing a horizontal, vertical or stepped DPC including cavity trays, in either solid or cavity walls of brick, block, stone or concrete, in masonry, timber-frame or lightweight steel-frame constructions.

The system can also be used as part of a system to protect a building from the ingress of radon from the ground.

## ASSESSMENT

## Product description and intended use

The Certificate holder provided the following description for the system under assessment. Zedex CPT High Performance Damp-proof Course consists of a mixture of thermoplastic polymers and other additives. The system is available in black and has the nominal characteristics given in Table 1.

*Table 1 Nominal characteristics*

| Characteristic (unit) | Value |
|---|---|
| Thickness (mm) | 0.8 |
| Roll length (m) | 20 |
| Roll width (mm)(1) | 100 to 1400 |
| Mass per unit area ($g \cdot m^{-2}$) | 750 |

(1) Other widths are available on request.

Ancillary Items

Visqueen 100 mm x 15 m double sided butyl tape is essential to use with the product and has been assessed with the product.

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

- Visqueen HP Tanking Primer — a black bituminous priming solution
- Visqueen Zedex DPC Surface Fixing System — consists of Visqueen Zedex Fixing Strip and Zedex Fixing Pins used to secure the upper portion of a surface fixed cavity tray to the substrate
- Visqueen Preformed Units — three dimensional units designed for detailing complicated cavity tray junctions
- Visqueen DPC Joint Support — stainless-steel profiles
- VisqueenPro Detailing Strip — 300 mm x 10 m, 500 mm x 10 m single sided tape used to seal around penetrations in the DPC.

Definition for system and applications inspected

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

## Product assessment – key factors

The system 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

Data were assessed for the following characteristics.

1.1 Behaviour under load

1.1 1 Results of behaviour under load tests are given in Table 2.

*Table 2 Behaviour under load tests*

| Product assessed | Assessment method | Requirement | Result(1) |
|---|---|---|---|
| Zedex CPT High Performance Damp-proof Course | Shear strength to BS EN 1052-4 : 2000<br>Pre-compression:<br>0.2 $N \cdot mm^{-2}$<br>0.6 $N \cdot mm^{-2}$<br>1.0 $N \cdot mm^{-2}$ | Value achieved | <br><br>0.25 $N \cdot mm^{-2}$<br>0.37 $N \cdot mm^{-2}$<br>0.48 $N \cdot mm^{-2}$ |
| Zedex CPT High Performance Damp-proof Course | Flexural strength to DD 86-1 : 1983 | Value achieved | 0.17 $N.mm^{-2}$ |

1.1.2 On the basis of data assessed, the system will not extrude under load, up to the point of compressive failure of the wall and will not adversely affect the ability of a properly designed and built wall to sustain and transmit compression loads.

1.1.3 The stability of a wall in respect of lateral loads must be checked by a suitably experienced and competent individual in relation to the stresses permitted between the DPC and the mortar.

## 2 Safety in case of fire

2.1 Reaction to fire

2.1.1 The Certificate holder has not declared a reaction to fire classification for the system to BS EN 13501-1 : 2018.

2.1.2 On the basis of data assessed, the system will be restricted in use under the documents supporting the national Building Regulations in some cases.

2.1.3 In England, other than when used as a cavity tray between two leaves of masonry, the system must not be used on buildings with a storey 18 m or more above ground level that contains: one or more dwellings, an institution, a room for residential purposes, student accommodation, care homes, hospitals, sheltered housing or dormitories in boarding schools.

2.1.4 In Wales and Northern Ireland, other than when used as a cavity tray between two leaves of masonry the system must not be used on buildings with a storey 18 m or more above ground level that contains: 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, hospitals, sheltered housing or dormitories in boarding schools, and additionally in Northern Ireland, nursing homes and places of lawful detention.

2.1.5 In Scotland, the use of the system is unrestricted in terms of height and proximity to a relevant boundary. However, restrictions on the overall construction may apply, depending on the reaction to fire classification achieved by the complete build-up, which must be established on a case-by-case basis.

## 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 3.

*Table 3 Resistance to water and water vapour*

| Product assessed | Assessment method | Requirement | Result |
|---|---|---|---|
| Zedex CPT High Performance Damp-proof Course | Water vapour transmission rate to BS EN 1931 : 2000 | Value achieved | 0.040 $g \cdot m^{-2} \cdot day^{-1}$ |
| Zedex CPT High Performance Damp-proof Course | Resistance to water pressure to MOAT 27 : 5.1.4 : 1983 (6 metre head) | No leakage | Pass |
| Zedex CPT High Performance Damp-proof Course | Shear resistance of joints to BS EN 12317-2 : 2000 | Value achieved | 235 $N \cdot (50\ mm)^{-1}$ |

3.1.2 On the basis of data assessed, the system, including joints, will provide an effective barrier against liquid water and water vapour.

3.2 Resistance to mechanical damage

3.2.1 Results of resistance to mechanical damage tests are given in Table 4.

*Table 4 Resistance to mechanical damage*

| Product assessed | Assessment method | Requirement | Result |
|---|---|---|---|
| Zedex CPT High Performance Damp-proof Course | Resistance to tear to MOAT 27 : 5.4.1 : 1983 | Value achieved | |
| | Longitudinal direction | | 317 N |
| | Transverse direction | | 287 N |
| Zedex CPT High Performance Damp-proof Course | Trouser tear to BS 2782-3 : 360B : 1980 | Value achieved | |
| | Longitudinal direction | | 136 N |
| | Transverse direction | | 136 N |
| Zedex CPT High Performance Damp-proof Course | Tensile strength to BS 2782-3 : 320A : 1976 | Value achieved | |
| | Longitudinal direction | | 22.2 MPa |
| | Transverse direction | | 22.2 MPa |
| Zedex CPT High Performance Damp-proof Course | Elongation to BS 2782-3 : 320A : 1976 | Value achieved | |
| | Longitudinal direction | | 645% |
| | Transverse direction | | 736% |
| Zedex CPT High Performance Damp-proof Course | Resistance to static loading to BS EN 12730 : 2001 | Value achieved | 20 kg |

3.2.2 On the basis of data assessed, the system has sufficient strength properties to withstand the handling associated with installation and remain watertight.

3.3 Resistance to underground gases

3.3.1 The result of a radon transmission test on the unjointed membrane is given in Table 5.

*Table 5 Radon permeability*

| Product assessed | Assessment method | Requirement | Result |
|---|---|---|---|
| Zedex CPT High Performance Damp-proof Course | An SP Technical Research Institute of Sweden internal method No 3873 | Value achieved | $8.3 \times 10^{-12}$ $m^2 \cdot s^{-1}$ |

3.3.2 On the basis of data assessed, the system, will restrict the ingress of radon into buildings from landfill and naturally occurring sources.

## 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 the system were assessed.

8.2 Specific test data were assessed as given in Table 6.

*Table 6 Durability*

| Product assessed | Assessment method | Requirement | Result |
|---|---|---|---|
| Zedex CPT High Performance Damp-proof Course | Dimensional stability to MOAT 27 : 5.1.6.1 : 1983 (6 hours conditioning) | Value achieved | |
| | Longitudinal direction | | 1.6% |
| | Transverse direction | | 1.0% |
| Zedex CPT High Performance Damp-proof Course | Tensile strength to BS 2782-3 : 320A : 1976 | No significant deterioration | |
| | Heat aged at 60°C for 56 days | | Pass |
| | Water soaked at 23°C for 28 days | | Pass |
| Zedex CPT High Performance Damp-proof Course | Elongation to BS 2782-3 : 320A : 1976 | No significant deterioration | |
| | Heat aged at 60°C for 56 days | | Pass |
| | Water soaked at 23°C for 28 days | | Pass |
| Zedex CPT High Performance Damp-proof Course | Low temperature flexibility to BS EN 495-5 : 2013 | No cracks | -25°C |

8.3 Based on knowledge of the materials which make up the system, the system is compatible with the materials with which it will be in contact within normal construction. It is unaffected by timber preservatives of water-based solutions of salts. Where doubt exists as to the compatibility of materials in contact, the advice of the Certificate holder must be sought, but such advice is outside the scope of this Certificate.

8.4 Service life

Under normal service conditions, the system will have a life equivalent to the structure in which it is incorporated, provided it is designed and installed 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 specified in this Certificate.

9.1.2 Constructions incorporating the system must comply with the general standards of good design practice given in BS 8215 : 1991, BS EN 1996-1-1 : 2005, BS EN 1996-1-2 : 2005, BS EN 1996-2 : 2006 and BS EN 1996-3 : 2006, and their UK National Annexes, and PD 6697 : 2019.

9.1.3 The presence of a DPC can reduce the shear and tensile (and therefore, bending) strengths of a wall at that point, and the design of the structure must take account of this.

9.1.4 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 construction methods and materials.

9.1.5 In gas resistant applications, hot air welding specifications must be obtained from the Certificate holder, but such advice is outside the scope of this Certificate.

9.1.6 When used where gas resistance is required, the system must be used in conjunction with a gas-resistant membrane to restrict the ingress of gas into buildings. The Certificate holder must be consulted for suitable products and recommended detailing practices, but such advice and materials are outside the scope of this Certificate.

9.1.7 Where the construction is subject to NHBC requirements reference must be made 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 and the Certificate holder's instructions.

9.2.3 Installation must follow normal good practice for the detailing of DPCs, as set out in PD 6697 : 2019, and must be in accordance with the relevant clauses of BS 8000-0 : 2014, BS 8000-3 : 2020 and BS 8215 : 1991, the BRE Digest 380, the Certificate holder's instructions and this Certificate.

9.2.4 Buildings in areas of risk from underground gases must be designed and constructed in accordance with the relevant guidance given in BRE Report BR 211 : 2023, BS 8485 : 2015 and, NHBC NF 94 *Hazardous ground gas*.

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

9.2.6 Where used in a gas resistant specification, particular care must be taken to ensure that the system is incorporated into the building as part of a complete system to prevent the ingress or build-up of contaminants; this may require the use of additional methods such as sumps and ventilation.

9.2.7 As with all flexible DPCs, care must be taken to avoid impact damage from sharp objects (eg trowels) during installation.

9.2.8 The DPC must extend through the full thickness of the wall or wall-leaf, including pointing, applied rendering or other facing material.

9.2.9 The DPC must be laid on a wet, even bed of mortar (perforations in adjacent courses of brickwork must be closed with mortar) and be laid flush or project beyond the finished face of the external leaf.

9.2.10 The DPC must always be sandwiched between wet mortar and not laid dry.

9.2.11 The system is handled in the same manner as a conventional flexible DPC and is cut with a sharp knife. It will remain sufficiently flexible for installation in low temperatures and will not become tacky in warm conditions.

9.2.12 All surfaces to be joined must be clean and dry.

9.2.13 All lap joints in the DPC must have a minimum 100 mm overlap, be completely sealed with a suitable jointing tape and be supported by a suitable joint system in accordance with the Certificate holder's instructions. The Certificate holder can advise on suitable materials for this purpose, but such advice and products are outside the scope of this Certificate.

9.2.14 When using the system in timber-frame applications as a cavity tray, the substrate must be primed and allowed to dry. The DPC must be bonded to the inner leaf and permanently secured at minimum 150 mm centres. The Certificate holder can advise on suitable materials, but such advice and products are outside the scope of this Certificate.

9.2.15 Visqueen preformed units must be used at complex or awkward junctions of the cavity tray (for example, at corners or changes in level of the cavity tray).

9.2.16 Where used as a cavity tray, the DPC laps must be sealed.

9.2.17 When using the DPC with boot lintels or similar constructions, it is installed to follow the lintel profile, wherever possible.

9.2.18 As with other DPC materials, damage can occur during the cleaning of mortar droppings from the DPC, unless care is taken. Recommendations to prevent damage are:

- the use of cavity battens to prevent excessive amounts of mortar reaching the DPC
- removal of mortar droppings before hardening
- that implements such as steel rods are not used for cleaning
- that DPCs are regularly inspected for damage as work proceeds.

9.2.19 When used with beam and block flooring, the system may be laid dry on a brick or block wall provided the following conditions are met:

- minimum bearing(1) of the beams is achieved
- the dead and applied loads upon the DPC via the beam do not exceed 2.5 $N \cdot mm^{-2}$
- the surface of the wall onto which the DPC and beam are to be installed is clean, smooth and free from projections or perforations. If the requirement cannot be met, the DPC must be laid in an even bed of mortar
- loose aggregate is swept from the wall prior to the installation of the DPC and from the DPC prior to the installation of the beam.

(1) As recommended by the flooring manufacturer.

9.3 Workmanship

9.3.1 Practicability of installation was assessed by the BBA and on the basis of the Certificate holder's information. To achieve the performance described in this Certificate, installation of the system must be carried out by a competent general builder, or a contractor, experienced with this type of system.

9.3.2 The BBA operates an Approved Installer Scheme for gas membranes; details of approved installer companies are included on the BBA website (www.bbacerts.co.uk).

9.4 Maintenance and repair

9.4.1 As the system is confined within the structure and has suitable durability, maintenance is not required. However, any damage occurring before enclosure must be repaired.

9.4.2 Damaged areas of the system must be repaired prior to installation by cutting and/or replacing the damaged section, in accordance with section 9.2 of this Certificate.

9.4.3 If required by the local authority, the adequacy of repair work must be confirmed by an independent validation report, as all gas membrane installations must be subject to third-party validation in accordance with BS 8485 : 2015.

## 10 Manufacture

10.1 The production processes for the system 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 system is delivered to site secured with a wrapper bearing the Certificate holder's name and the BBA logo incorporating the number of this Certificate.

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

11.2.1 Rolls must be stored on end and under cover.

11.2.2 Contact with organic solvents must be avoided.

11.2.3 If the system is stored at low temperatures, it must be left in a warm place before use to improve handling.

## ANNEX A – SUPPLEMENTARY INFORMATION †

Supporting information in this Annex is relevant to the system 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.

### UKCA marking

The Certificate holder has taken the responsibility of UKCA marking the system in accordance with Designated Standard EN 14909 : 2012.

### CE marking

The Certificate holder has taken the responsibility of CE marking the system in accordance with harmonised European Standard EN 14909 : 2012.

### Management Systems Certification for production

The management system of the manufacturer has been assessed and registered as meeting the requirements of BS EN ISO 9001 : 2015 and BS EN ISO 14001 : 2015 by SGS (Certificates GB17/873194 and GB17/873193 respectively).

## Bibliography


BRE Digest 380 *Damp-proof courses*

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

BS 2782-3 : 320A : 1976 *Methods of testing plastics — Mechanical properties — Tensile strength, elongation and elastic modulus*
BS 2782-3 : 360B : 1980 *Determination of tear resistance of plastics film and sheeting by trouser tear method*

BS 8000-0 : 2014 *Workmanship on construction sites — Introduction and general principles*
BS 8000-3 : 2020 *Workmanship on building sites — Masonry — Code of practice*

BS 8215 : 1991 *Code of practice for design and installation of damp-proof courses in masonry construction*

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 495-5 : 2013 *Flexible sheets for waterproofing — Determination of foldability at low temperature — Plastic and rubber sheets for roof waterproofing*

BS EN 1052-4 : 2000 *Methods of tests for masonry — Determination of shear strength including damp proof course*

BS EN 1931 : 2000 *Flexible sheets for waterproofing — Bitumen, plastic and rubber sheets for roof waterproofing — Determination of water vapour transmission properties*

BS EN 1996-1-1 : 2005 + A1 : 2012 *Eurocode 6 : Design of masonry structures — General rules for reinforced and unreinforced masonry structures*
NA to BS EN 1996-1-1 : 2005 + A1 : 2012 UK National Annex *to Eurocode 6: Design of masonry structures — General rules for reinforced and unreinforced masonry structures*
BS EN 1996-1-2 : 2005 *Eurocode 6 : Design of masonry structures — General rules — Structural fire design*
NA to BS EN 1996-1-2 : 2005 UK National Annex *to Eurocode 6: Design of masonry structures — General rules — Structural fire design*
BS EN 1996-2 : 2006 *Eurocode 6 : Design of masonry structures — Design considerations, selection of materials and execution of masonry*
NA to BS EN 1996-2 : 2006 UK National Annex *to Eurocode 6 : Design of masonry structures — Design considerations, selection of materials and execution of masonry*
BS EN 1996-3 : 2006 *Eurocode 6 : Design of masonry structures — Simplified calculation methods for unreinforced masonry structures*
NA + A1 : 2014 to BS EN 1996-3 : 2006 UK National Annex *to Eurocode 6: Design of masonry structures — Simplified calculation methods for unreinforced masonry structures*

BS EN 12317-2 : 2000 *Flexible sheets for waterproofing — Determination of shear resistance of joints Plastic and rubber sheets for roof waterproofing*

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

BS EN 13501-1 : 2018 *Fire classification of construction products and building elements — Classification using data from reaction to fire tests*

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

BS EN ISO 14001 : 2015 *Environmental Management System — Requirements*

EN 14909 : 2012 *Flexible sheets for waterproofing — Plastic and rubber damp proof courses — Definitions and characteristics*

NHBC NF 94 *Hazardous ground gas — an essential guide for housebuilders*

DD 86-1 : 1983 *Damp-proof courses — Methods of test for flexural bond strength and short term shear strength*

PD 6697 : 2019 *Recommendations for the design of masonry structures to BS EN 1996-1-1 and BS EN 1996-2*

MOAT 27 : 1983 *General directive for the assessment of roof waterproofing systems*

## 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
- 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
- and any matter arising out of or in connection with it or its subject matter (including non-contractual disputes or claims) is governed by and construed in accordance with the law of England and Wales.
- the courts of England and Wales shall have exclusive jurisdiction to settle any matter arising out of or in connection with this Certificate or its subject matter (including non-contractual disputes or claims).

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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