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Agrément Certificate
22/6357
Product Sheet 1 Issue 2

NEWTON CDM SYSTEM

NEWTON CDM 503

This Agrément Certificate Product Sheet(1) relates to Newton CDM 503, a high-density polyethylene (HDPE) membrane for damp-proofing walls, floors and ceilings in new construction or in existing buildings. It can be used above or below ground, over a contaminated or damp background, to support a dry lining or flooring.

(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 Second issue: 14 October 2025
Originally certified on 5 October 2022

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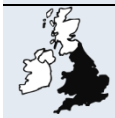
SUMMARY OF ASSESSMENT AND COMPLIANCE

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 Newton CDM 503, 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:	**B3(4)**	**Internal fire spread – structure**
Comment:		The product can contribute to satisfying this Requirement. See section 2 of this Certificate.
Requirement:	**B4(1)**	**External fire spread**
Comment:		The product is restricted by this Requirement. See section 2 of this Certificate.
Requirement:	**C2(a)(b)**	**Resistance to moisture**
Comment:		The product can contribute to satisfying 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 is acceptable. See sections 8 and 9 of this Certificate.
Regulation:	**9**	**Building standards – construction**
Standard:	2.4	Cavities
Comment:		The product can contribute to satisfying this Standard, with reference to clause 2.4.2[(1)(2)]. See section 2 of this Certificate.
Standard:	3.3	Flooding and ground water
Comment:		The product can contribute to satisfying this Standard, with reference to clause 3.3.1[(1)(2)]. See section 3 of this Certificate.
Standard:	3.4	Moisture from the ground
Comment:		The product can contribute to satisfying this Standard, with reference to clauses 3.4.1[(1)(2)], 3.4.2[(1)(2)], 3.4.5[(1)(2)], 3.4.6[(1)(2)] and 3.4.7[(1)(2)]. See section 3 of this Certificate.
Standard:	3.6(a)	Surface water drainage
Comment:		The product can contribute to satisfying this Standard, with reference to clause 3.6.3[(1)(2)]. See section 3 of this Certificate.
Standard:	3.10	Precipitation
Comment:		The product can contribute to satisfying this Standard, with reference to clause 3.10.1[(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:		Comments in relation to 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:	**28(a)(b)**	**Resistance to moisture and weather**
Comment:		The product can contribute to satisfying this Regulation. See section 3 of this Certificate.
Regulation:	**35(4)**	**Internal fire spread – structure**
Comment:		The product can contribute to satisfying this Regulation. See section 2 of this Certificate.
Regulation:	**36(a)**	**External fire spread**
Comment:		The product is restricted by this Regulation. See section 2 of this Certificate.

Additional Information

NHBC Standards 2025

In the opinion of the BBA, Newton CDM 503, 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,* 5.2 *Suspended ground floors* and 5.4 *Waterproofing of basements and other below ground structures.*

Where Grade 3 waterproofing 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 a Type A or B waterproofing protection.

In the opinion of the BBA, use of the product on existing structures, when installed and used in accordance with this Certificate can satisfy or contribute to satisfying the relevant requirements in relation to *NHBC Standards for Conversions and Renovations*, taking account of other relevant guidance within the chapter and the suitability of the substrate to receive the product.

The opinion of the BBA does not amount to any endorsement or approval by NHBC and does not in any way guarantee that NHBC will approve such product / system as compliant with the NHBC Technical Requirements and Standards.

Fulfilment of Requirements

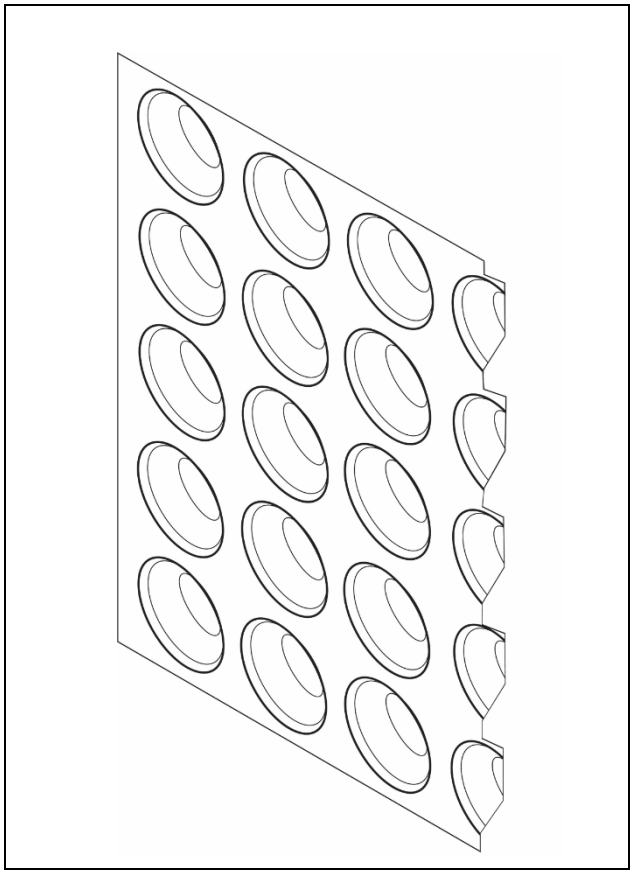
The BBA has judged Newton CDM 503 to be satisfactory for use as described in this Certificate. The product has been assessed as a membrane for damp-proofing walls, floors and ceilings in new construction or in existing buildings. It can be used above or below ground, over a contaminated or damp background, to support a dry lining or flooring.

ASSESSMENT

Product description and intended use

The Certificate holder provided the following description for the product under assessment. Newton CDM 503 (see Figure 1) is a black or translucent HDPE membrane, moulded to form raised studs at 20 mm centres and incorporating a flanged edge.

Figure 1 Newton CDM 503



The product has the nominal characteristics given in Table 1.

Table 1 Nominal characteristics

Characteristic (unit)	Value
Thickness (mm)	0.5
Stud height (mm)	3
Weight per unit area ($g \cdot m^{-2}$)	500
Roll size (m)(1)	2 x 20 (black and clear)
Weight of roll (kg)	10, 20
Air gap volume ($l \cdot m^{-2}$)	2.19

(1) Includes an 85 mm stud-free area for overlapping sheets.

Ancillary Items

The following ancillary items are essential to use with the product and have been assessed with the product:

- CDM Plug — a 60 by 35 mm plastic plug, with a thermoplastic elastomer seal washer, for fixing the membrane to brick, stone and concrete into a 10 mm diameter hole on above- and below-ground structures
- CDM Plug without seal washer — a 60 by 35 mm plastic plug, without the thermoplastic elastomer seal washer, for fixing membrane to brick, stone and concrete into a 10 mm diameter hole on above- and below-ground structures
- CDM Joint Tape — a double-sided butyl rubber tape for sealing joints in the membrane
- CDM Rope — a double-sided butyl rubber beading for sealing joints in the membrane and sealing around plugs
- CDM Overtape — a single-sided butyl rubber tape for sealing between vertical and horizontal membranes
- CDM Overseal Tape — a single-sided 75 mm butyl rubber tape for sealing butt joints between membranes, and detailing
- CDM Mesh Tape — a butyl rubber tape with a fleece for sealing between vertical and horizontal membrane.

Applications

The product is satisfactory for use as a damp-proof membrane (DPM) on walls, floors and vaulted ceilings, above and below ground, as part of the Newton CDM System, in new construction or in existing buildings over a contaminated or damp background. It can support a dry lining, screed, or flooring, in the following situations:

- on damp walls and floors in underground situations subject to high groundwater levels and perennial moisture
- on vaulted ceilings of archways or cellars subject to water ingress
- in conjunction with a remedial damp proof course (DPC) system where the walls have a high salt content and/or when it is necessary to complete the installation immediately without allowing a period for initial drying
- over walls and floors which have a friable or painted surface, are contaminated with oil or mould, or have a high salt content
- as a waterproofing membrane in areas subject to vibration.

Depending on the application required and the site conditions, the product may be used as:

- an underfloor DPM
- a dry-lining for walls, vented into the room via aeration slots at the top and bottom of the wall
- a sealed system covering floor, wall and ceiling, with provision made for disposing of water build-up behind the membrane via a sump and pump.

The product has not been assessed for use in chemically contaminated areas, such as brownfield sites.

The product is satisfactory for use in Type C (drained protection) constructions in accordance with BS 8102 : 2022.

Product assessment – key factors

The product was assessed for the following key factors, and the outcome of the assessments 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 Mechanical properties

1.1.1 The product was tested for mechanical properties and the results are given in Table 2.

Table 2 Mechanical properties

Product assessed	Assessment method	Requirement	Result
A representative related product	Resistance to nail tear to BS EN 12310-1 : 2000	Value achieved	
	Longitudinal direction		303 N
	Transverse direction		327 N
	Strength of joints to BS EN 12317-2 : 2010	Value achieved	74 N·(50mm)$^{-1}$

1.1.2 On the basis of data assessed, the product will not be damaged by normal foot traffic during installation or while laying concrete or screeding to BS 8204-1 : 2003.

1.1.3 The product can support the long-term imposed loadings defined in the UK National Annex to BS EN 1991-1-1 : 2002, Table NA.2, Categories A to D, without undue deformation.

2 Safety in case of fire

Data were assessed for the following characteristics.

2.1 Reaction to fire

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

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

2.1.3 In England, the product must not be used above ground on residential buildings with a storey 11 m or more in height or on other buildings that have a storey at least 18 m above ground level and which contain one or more dwellings, an institution, a room for residential purposes, student accommodation, care homes, sheltered housing, hospitals or dormitories in boarding schools.

2.1.4 In Wales and Northern Ireland, the product must not be used above ground on buildings that have a storey at least 18 m above ground level and which 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, and additionally in Northern Ireland, nursing homes and places of lawful detention.

2.1.5 In Scotland, the use of the product is unrestricted with respect to building 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 built-up system, which must be established on a case-by-case basis.

2.1.6 Where the product forms the face of a cavity, the permissible areas of use and the spacing of cavity barriers are restricted by the documents supporting the national Building Regulations.

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 watertightness tests are given in Table 3.

Table 3 Watertightness

Product assessed	Assessment method	Requirement	Result
A representative related product joint with CDM Joint Tape	Watertightness of joints to BS EN 1928 : 2000 2 kPa	No leakage	Pass
A representative related product	Water vapour permeability to BS EN 1931 : 2000	> 200 MNs·g^{-1}	Pass
	Efficiency of seal to a BBA Method	No leakage	Pass

3.1.2 On the basis of data assessed, the product is water-resistant and has a high resistance to water vapour transmission. However, as installed, it is not resistant to hydrostatic pressure and, consequently, the measures described in section 9 of this Certificate must be followed to ensure that the product acts as a drainage layer with no excessive build-up of water behind it.

3.1.3 The product provides an effective barrier to the transmission of salts or other contaminants from the substrate.

3.2 Condensation

In common with most waterproofing membranes, the product has a very high resistance to vapour diffusion and, when placed on the cold side of a construction, may increase the risk of interstitial condensation. A calculation must be carried out to BS 5250 : 2021 and designers must consider appropriate techniques for managing the safe egress of moisture vapour with care (such as control of the internal room environment or use of a vapour control layer on the warm side of the insulation), and in particular the effect of moisture on any materials at, or in contact with materials below, the local dew-point.

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

The product comprises HDPE, which can be recycled.

8 Durability

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

8.2 Specific test data were assessed as given in Table 5.

Table 5 Durability

Product assessed	Assessment method	Requirement	Result
Newton CDM 503	Long-term compression to BS EN 13967 : 2012	Value achieved	0.63 mm / 30 years

8.3 Service life

Under normal service conditions, the product will have a life 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 by the BBA and the following requirements apply in order to satisfy the performance assessed in this Certificate.

9.1.2 Where the area to be installed with the product is below ground, or where conditions are damp, a full survey by a specialist waterproofing surveyor must be carried out, to diagnose the cause and to establish if treatment is required.

9.1.3 If rising damp is found, a remedial treatment must be conducted in accordance with the relevant BBA Certificate, BS 6576 : 2005 and the Property Care Association *Code of Practice for Installation of Remedial Damp-proof Courses in Masonry Walls*.

9.1.4 Appropriate remedial measures must be taken to rectify major causes of damp conditions or water ingress, and to repair structural defects.

9.1.5 When used in new constructions, the concrete base must be laid in accordance with BS 8204-1 : 2003.

9.1.6 If a board covering is to be laid directly on the product, the concrete base must have a surface regularity with a maximum permissible departure of 5 mm from the underside of a 2 m straight edge resting in contact with the floor, in accordance with BS 8204-1 : 2003.

9.1.7 All joints and fixings must be sealed in accordance with the Certificate holder's instructions.

9.1.8 Drainage channels and gullies, or sumps and pumps, must be installed as necessary, to disperse excess or standing water, but such products are outside the scope of this Certificate.

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. A summary of instructions and guidance is provided in Annex A of this Certificate.

General

9.2.3 Any unsound plaster, render or screed must be removed to expose the substrate, which is then cleaned with a stiff brush to remove loose material, laitance, salt residue, mould or adhesive. If mould is present, the substrate must be treated with an HSE-approved fungicidal wash. The Certificate holder can advise on suitable materials and procedures to be used but such advice and products are outside the scope of this Certificate.

9.2.4 The membrane must always be used with the flanged edge positioned in front of and overlapping the previously installed membrane width. Joints with the flanged edge are sealed using CDM Joint Tape, while stud-to-stud joints (without the flanged edge) are sealed by overlapping the membrane by a minimum of four studs and sealing with CDM Rope placed between the last four rows or oversealing the joint with CDM Overtape or CDM Overseal Tape.

9.2.5 At corners where the membrane is not installed continuously from one surface to the next, it must be finished at the corner on each surface and sealed together using CDM Overtape.

9.2.6 The product must always be used with the lower sheet placed in front of the higher sheet. Fixings are made through the membrane into 10 mm diameter holes drilled centrally through the studs. CDM plugs with a pre-formed seal are inserted into the holes, and tapped flush with the membrane. The pre-formed seal forms a sealing gasket between the plug and membrane. The seal must be compressed to function as a barrier against water ingress, and this must be visually checked as each plug is fixed.

Walls

9.2.7 Installation of the product is commenced at the top of the construction. The membrane may require initial fixing on the ceiling or along the upper edge of the wall, prior to final fixings along batten runs. For joints where the flanged edge is not used, the two sheets are overlapped by a minimum of four rows of studs, and for horizontal joints the lower sheet is always positioned in front of the upper sheet.

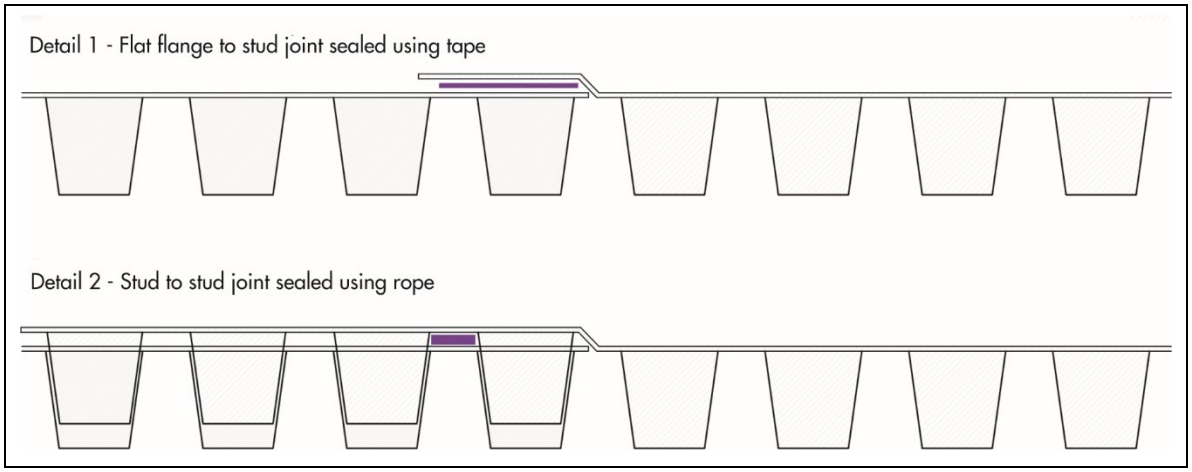
9.2.8 Spacings between fixings will depend on the method of dry lining to be applied. When using preservative-treated timber battens, the fixings must be kept to a maximum of 400 mm centres vertically and 600 mm horizontally. Proprietary metal fast track systems and independent frame systems will require fewer fixings, but a sufficient number must be used to ensure that the membrane is reasonably tight to the wall, especially at corners.

9.2.9 The installation is conducted over windows and the membrane is cut away to expose them. The gaps are then sealed with CDM Joint Tape, CDM Rope, CDM Overtape or CDM Overseal Tape (see Figure 2).

9.2.10 For doors and some obstructions, the technique covered in section 9.2.9 cannot be used. Instead, the membrane is installed up to the perimeter and the gap sealed in the same manner.

9.11 Wall-mounted fittings (apart from lightweight items such as framed pictures) must be fixed where possible into battens; the position and number of support fixings into the loadbearing structure are predetermined. Only in exceptional circumstances can fittings be fixed through the membrane and lining board to the loadbearing structure behind, using proprietary fixings. Holes made in the membrane must be repaired in accordance with the Certificate holder's instructions.

Figure 2 Tape and rope sealing



Ceilings

9.2.12 Ceilings to be covered must always have a fall, as per vaulted cellar constructions, to ensure water does not build up against the membrane or a joint. The vertical drop between the ends of two membrane sheets for horizontal overlaps must be a minimum of four rows of studs.

9.2.13 Any sagging of the membrane between fixing points must not be great enough for ponding to occur.

9.2.14 At the end walls of vaulted constructions, the membrane must be turned down onto the end wall by a minimum of 200 mm. The membrane is mitred as necessary to fit the curve of the ceiling, and the joint sealed with CDM Joint Tape, CDM Rope, CDM Overtape or CDM Overseal Tape. The adjoining wall membrane must be cut to fit the curve of the ceiling, fixed in front of the ceiling membrane, and the gap sealed with CDM Joint Tape, CDM Rope, CDM Overtape or CDM Overseal Tape.

Floors

9.2.15 Floors must have a drainage outlet point. There must be a fall towards the outlet point or a drainage channel made around the perimeter of the floor, to ensure that water can flow to the outlet.

9.2.16 The membrane is rolled out 'studs down' over the floor, and consecutive sheet widths are laid so the flanged edge overlaps the first sheet by four studs. Joints are sealed using CDM Joint Tape applied over the second row of studs. Joints without the flanged edge are overlapped by four rows of studs and sealed with CDM Rope applied between the last two rows and over sealed using CDM Overtape or CDM Overseal Tape.

9.2.17 The membrane is cut within 5 to 10 mm of any pipes and services in the floor, and the gap filled with CDM Rope or CDM Overtape. If necessary, a patch of the membrane is overlaid and sealed to the service with CDM Rope, and its circumference sealed with CDM Joint Tape, CDM Overtape or CDM Overseal Tape.

9.2.18 Fixings must not be applied through the floor membrane.

9.2.19 At wall/floor junctions the membrane must be turned up at the wall and sealed using CDM Overtape. The floor membrane can also be sealed to the upstand of the perimeter channel using CDM Overtape.

Finishing works

9.2.20 All joints and fixings must be sealed with CDM Joint Tape or CDM Rope sealing products, and drainage channels and gullies, or sumps and pumps must be installed as necessary to disperse excess or standing water. 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 by the BBA, on the basis of the Certificate holder's information. To achieve the performance described in this Certificate, installation of the product must be carried out by a contractor experienced with this type of product.

9.4 Maintenance and repair

9.4.1 As the product is confined within a wall, ceiling or floor space and has suitable durability, maintenance is not required.

9.4.2 Regular maintenance of all gullies, sumps and pumps must be carried out to ensure that a build-up of water does not occur behind the membrane.

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 to site in wrapped rolls bearing the product name, 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, under cover and protected from sharp objects, sunlight and high temperatures.

† 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.

CE marking

The Certificate holder has taken the responsibility of CE marking the product in accordance with harmonised European Standard EN 13967 : 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.

Additional information on installation

A.1 Newton CDM 503 may be used in combination with any of the appropriate products covered by this Certificate.

A.2 Power cables, points and light switches should preferably be remounted in front of the membrane.

A.3 In below-ground installations, the practice of leaving the top of the wall membrane unsealed where there is no requirement for a ceiling membrane to be installed must be reconsidered in cases where odours or vermin are a consideration (such as in proximity to food preparation areas). The advice of the Certificate holder should be sought in these situations, but such advice is outside the scope of this Certificate.

A.4 The translucence version of the membrane allows the contractor to view through to the substrate and choose the optimum site for each fixing.

A.5 On walls and ceilings, preservative-treated timber battens of minimum dimensions 25 by 38 mm are fixed into the plug's fixing hole using suitable screws with a maximum screwing-in depth of 30 mm, plus the batten depth. The membrane can also be dry-lined, using free-standing framework, blockwork or similar.

A.6 Uneven substrates should be made level with a suitable levelling material to the tolerance described in section 9.1.6 which should be allowed to set before the membrane is fixed. The Certificate holder can advise on suitable materials for this purpose, but such advice and products are outside the scope of this Certificate.

A.7 After the membrane has been installed and the walls dry-lined, permanent decorations, such as vinyl papers or oil paints, may be applied. Temporary permeable decorations (necessary with traditional cement-based waterproofing) are not necessary for use with the product.

Dry lining of walls

A.8 Gypsum plasterboard to BS EN 520 : 2004, or similar dry lining boards covered by a current BBA Certificate, are fixed to the battens with galvanized screws or nails, positioned a minimum of 12 mm from the edge of the board. Care must be taken to ensure that penetration of the plasterboard by screws or nails is less than batten depth to avoid puncturing the membrane.

Floor membrane coverings[1]

(1) The performance of these products has not been assessed by the BBA and is outside the scope of this Certificate.

A.9 If required, extruded, closed-cell polystyrene insulation boards (minimum density 30 $kg \cdot m^{-3}$) are laid over the membrane.

A.10 Suitable tongue-and-groove flooring board panels should be selected in accordance with BS EN 12871 : 2013, and loose-laid over the membrane to within 10 mm of the walls. The panels are staggered and the joints sealed with a thermoplastic wood adhesive to BS EN 204 : 2016.

A.11 Alternatively, the membrane is covered by concrete or screed of minimum thickness 50 mm (or of minimum thickness 65 mm if laid over insulation boards) in accordance with BS 8204-1 : 2003. Care should be taken to ensure the membrane is not displaced when placing the concrete or screed. The concrete screed should be reinforced to inhibit shrinkage cracks.

A.12 Proprietary screeds, which can generally be laid at thicknesses less than 50 mm, may also be considered but use of these products has not been assessed by the BBA, and is outside the scope of this Certificate.

A.13 Under normal operating conditions, the product is not affected by underfloor heating.

Bibliography

BS 5250 : 2021 *Management of moisture in buildings — Code of practice*

BS 6576 : 2005 + A1 : 2012 *Code of practice for diagnosis of rising damp in walls of buildings and installation of chemical damp-proof courses*

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

BS 8204-1 : 2003 + A1 : 2009 *Screeds, bases and in-situ floorings — Concrete bases and cementitious levelling screeds to receive floorings — Code of practice*

BS EN 204 : 2016 *Classification of thermoplastic wood adhesives for non-structural applications*

BS EN 520 : 2004 + A1 : 2009 *Gypsum plasterboards — Definitions, requirements, and test methods*

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

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

BS EN 1991-1-1 : 2002 *Eurocode 1 : Actions on structures — General actions — Densities, self-weight, imposed loads for buildings*
NA to BS EN 1991-1-1 : 2002 UK National Annex to *Eurocode 1 : Actions on structures — General actions— Densities, self-weight, imposed loads for buildings*

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

BS EN 12317-2 : 2010 *Flexible sheets for waterproofing — Determination of shear resistance of joints Part 2: Plastic and rubber sheets for roof waterproofing*

BS EN 12871 : 2013 *Wood-based panels — Determination of performance characteristics for load bearing boards for use in floors, walls and roofs*

BS EN 13501-1 : 2018 *Fire classification of construction products and building elements*

BS EN 13967 : 2012 + A1 : 2017 *Flexible sheets for waterproofing — Plastic and rubber damp proof sheets including plastic and rubber basement tanking sheet — Definitions and characteristics*

BS EN ISO 9001 : 2015 + A1 : 2024 *Quality management systems — Requirements*

ISO/TS 11665-13 : 2017 *Determination of the diffusion coefficient in waterproof materials: membrane two-side activity concentration test method*

Property Care Association COP09 *Code of Practice for Installation of Remedial Damp-proof Courses in Masonry Walls*

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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