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Agrément Certificate
22/6185
Product Sheet 2

CEM-ROCK BOARD

CEM-ROCK LITE AND CEM-ROCK EXTREME X4

This Agrément Certificate Product Sheet[1] relates to Cem-Rock[2] eXtreme X4, a magnesium oxide board for use on the external face of inner leaf walls of steel- or timber-frame constructions as load-bearing or non-loadbearing external sheathing boards, providing temporary weather protection prior to over-cladding with a permanent weatherproof façade, or as internal dry lining. Cem-Rock LITE is a magnesium oxide board for use as internal dry lining.

(1) Hereinafter referred to as 'Certificate'.

CERTIFICATION INCLUDES:

- factors relating to compliance with Building Regulations where applicable
- factors relating to additional non-regulatory information where applicable
- independently verified technical specification
- assessment criteria and technical investigations
- design considerations
- installation guidance
- regular surveillance of production
- formal three-yearly review.

KEY FACTORS ASSESSED

Strength and stability — when used as a sheathing board, Cem-Rock eXtreme X4 will contribute to the racking resistance of walls (see section 6).

Performance in relation to fire — the boards have an A1 reaction to fire classification to BS EN 13501-1 : 2018 (see section 7).

Resistance to moisture — the boards have adequate moisture resistance (see section 8).

Durability — under normal service conditions, the boards will have a life equal to that of the building in which they are installed (see section 12).

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

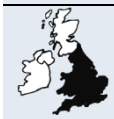
On behalf of the British Board of Agrément

Date of First issue: 4 August 2022

Hardy Giesler
Chief Executive Officer

Regulations

In the opinion of the BBA, Cem-Rock LITE and Cem-Rock eXtreme X4, if installed, used and maintained in accordance with this Certificate, can satisfy or contribute to satisfying the relevant requirements of the following Building Regulations (the presence of a UK map indicates that the subject is related to the Building Regulations in the region or regions of the UK depicted):



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

Requirement:	**A1**	**Loading**
Comment:		Cem-Rock eXtreme X4 has sufficient strength and stiffness to sustain and transmit the design loads to the primary structure without excessive deflection. See sections 6.1 and 6.5 to 6.7 of this Certificate.
Requirement:	**B2(1)**	**Internal fire spread (linings)**
Comment:		The products are unrestricted by this Requirement. See section 7.1 of this Certificate.
Requirement:	**B3(1)(2)(3)**	**Internal fire spread (structure)**
Comment:		Cem-Rock eXtreme X4 can contribute to satisfying this Requirement. See section 7.2 of this Certificate.
Requirement:	**B3(4)**	**Internal fire spread (structure)**
Comment:		The products can contribute to satisfying this Requirement. See section 7.1 of this Certificate.
Regulation:	**7(1)**	**Materials and workmanship**
Comment:		The products are acceptable. See sections 12.1 and 12.2 and the *Installation* part of this Certificate.
Regulation:	**7(2)**	**Materials and workmanship**
Comment:		The products are unrestricted by this Regulation. See section 7.1 of this Certificate.

The Building (Scotland) Regulations 2004 (as amended)

Regulation:	**8(1)**	**Durability, workmanship and fitness of materials**
Comment:		The use of the products satisfies the requirements of this Regulation. See sections 12.1 and 12.2 and the *Installation* part of this Certificate.
Regulation:	**9**	**Building standards applicable to construction**
Standard:	1.1(a)(b)	Structure
Comment:		Cem-Rock eXtreme X4 is acceptable with reference to clause 1.1.1$^{(1)(2)}$ of this Standard. See sections 6.1 and 6.5 to 6.7 of this Certificate.
Standard:	2.4	Cavities
Comment:		The products can contribute to satisfying this Standard with respect to clause 2.4.2$^{(1)(2))}$. See section 7.1 of this Certificate.
Standard:	2.5	Internal linings
Comment:		The products are unrestricted by this Standard, with reference to clause 2.5.1$^{(1)(2)}$. See sections 7.1 and 7.2 of this Certificate.
Standard:	2.6	Spread to neighbouring buildings
Comment:		The products are unrestricted by this Standard, with reference to clauses 2.6.1$^{(1)(2)}$, 2.6.5$^{(1)}$ and 2.6.6$^{(2)}$. See sections 7.1 and 7.2 of this Certificate.

Standard:	2.7	Spread on external walls
Comment:		Cem-Rock eXtreme X4 is unrestricted by this Standard, with reference to clause 2.7.1[(1)(2)]. See section 7.1 of this Certificate.
Standard:	7.1(a)	Statement of sustainability
Comment:		The products can contribute to meeting the relevant requirements of Regulation 9, Standards 1 to 6 and therefore will contribute to a construction meeting a bronze level of sustainability as defined in this Standard.
Regulation:	**12**	**Building standards applicable to conversions**
Comment:		Comments in relation to the products under Regulation 9, Standards 1 to 6 also apply to this Regulation, with reference to clause 0.12.1[(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(a)(i) (iii)(b)(i)**	**Fitness of materials and workmanship**
Comment:		The products are acceptable. See section 12 and the *Installation* part of this Certificate.
Regulation:	**30**	**Stability**
Comment:		The products are acceptable. See sections 6.1 and 6.5 to 6.7 of this Certificate.
Regulation:	**34(a)(b)**	**Internal fire spread – Linings**
		The products are unrestricted by these Regulations. See section 7.1 of this Certificate.
Regulation:	**35(1)(2)(3)(4)**	**Internal fire spread – Structure**
Comment:		The products are unrestricted by these Regulations. See section 7.1 of this Certificate.

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

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

See sections: 3 *Delivery and site handling* (3.4) and 13 *General* (13.2, 13.3 and 13.4) of this Certificate.

Technical Specification

1 Description

1.1 Cem-Rock LITE and Cem-Rock eXtreme X4 sheathing boards are magnesium oxide boards with the characteristics given in Table 1.

Table 1 Nominal characteristics

Characteristic (unit)	Cem-Rock LITE	Cem-Rock eXtreme X4
Length (mm)	2400 ; 2700 ; 3050	
Width (mm)	1200	
Thickness (mm)	12	12 ; 15 ; 18
Average density ($kg \cdot m^{-3}$)	669	935
Average mass per unit area ($kg \cdot m^{-2}$)	8.0	11.2; 14.0; 16.8
Water vapour resistance ($MN \cdot s \cdot g^{-1}$)	19.1	19.8
Edge	Square	
Colour	Light grey and white	
Finishes	Standard (smooth on front and rough on back)	

1.2 The products are for use with Aquapanel Rustproofed SN40 or SB40, minimum 40 mm long by 4.2 diameter with head diameter of 9 mm, corrosion resistant stainless steel screw fixings.

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

- substrate (steel- or timber-frame with vertical studs at maximum 600 mm centres)
- jointing compound and joint tape
- finishes
- corner beadings
- damp proof membranes
- vapour control layers.

2 Manufacture

2.1 The boards are manufactured from magnesium oxide, magnesium minerals, perlite and sawdust, with binders and reinforcing fibre glass mesh and non-woven cloth. The magnesium oxide paste is poured onto the fibre glass and non-woven fabrics, then the paste is left to dry and cure. The boards are cut to size after the curing process is completed.

2.2 As part of the assessment and ongoing surveillance of product quality, the BBA has:

- agreed with the manufacturer the quality control procedures and product testing to be undertaken
- assessed and agreed the quality control operated over batches of incoming materials
- monitored the production process and verified that it is in accordance with the documented process
- evaluated the process for management of nonconformities
- checked that equipment has been properly tested and calibrated
- undertaken to carry out the above measures on a regular basis through a surveillance process, to verify that the specifications and quality control operated by the manufacturer are being maintained.

2.3 The products are manufactured in China and are marketed/distributed in the UK by Greenspan System Sales Ireland Ltd. The management system at the factory has been assessed and registered as meeting the requirements of ISO 9001 : 2015 by Beijing Hyde International Certification Co. Ltd (Certificate 7697A18Q10902R0S).

3 Delivery and site handling

3.1 The boards are delivered to site on wooden pallets. Each pallet is labelled with the board type, size, thickness, edge type, pallet quantity, pallet weight, pallet measurements and the batch number.

3.2 The pallets may be stacked, but stacks must not exceed 5 pallets. The boards are supplied with a protective plastic sheet wrap which should not be removed until the boards are ready to be used and are supplied on pallets suitable for unloading by forklift. Steel cable or chains should not be used in order to avoid damage to the pallets and the boards. Care should be taken not to subject pallets to any impact shock.

3.3 Boards should be stored horizontally in a ventilated and dry environment, on a firm, flat, raised surface, away from the working area or any mechanical plant. The boards should be covered and protected from the weather prior to installation. Boards should be installed dry. Boards should not be stored on edge.

3.4 The boards should always be lifted by at least two people and should be lifted from the stack rather than slid across, in order to prevent damage or scratches. The boards should be carried on edge.

Assessment and Technical Investigations

The following is a summary of the assessment and technical investigations carried out on Cem-Rock LITE and Cem-Rock eXtreme X4 boards.

Design Considerations

4 General

4.1 Cem-Rock eXtreme X4 is satisfactory for use as structural or non-structural sheathing boards on the outer face of the inner leaf of timber- or steel-frame external walls, or as an internal liner board to loadbearing and non-loadbearing internal walls and on the inner face of external walls.

4.2 Cem-Rock LITE is suitable for use as an internal liner board to loadbearing and non-loadbearing internal walls and on the inner face of external walls.

4.3 The Cem-Rock LITE and Cem-Rock eXtreme X4 boards are supported at 600 mm maximum centres between timber/steel studs. The design of the Cem-Rock eXtreme X4 in use as external sheathing boards should include:

- a 38 mm minimum ventilated and drained cavity system incorporating an insect mesh to all ventilation openings
- effective detailing around window openings to ensure that wind-driven rain is excluded from hidden members in the surround and from the cavity
- an effective breather membrane on the inside, to ensure the frame structure is protected.

4.4 The boards achieve the following classifications in accordance with BS EN 12467 : 2012:

- weather resistance – Category B (sheets which are intended for applications where they may be subjected to heat, moisture and occasional frost)
- bending strength – Cem-Rock eXtreme X4 achieved Class 3; Cem-Rock LITE achieved Class 2
- dimensional tolerance – level 1.

4.5 The frame to which the boards are fixed must be structurally sound, and designed and constructed in accordance with the requirements of the relevant national Building Regulations and Standards, namely:

- timber-frame: in accordance with BS EN 1995-1-1 : 2004 and it's UK National Annex, and preservative treated in accordance with BS EN 351-1 : 2007
- steel-frame: in accordance with BS EN 1993-1-1 : 2005 and BS EN 1993-1-3 : 2006, and their UK National Annexes.

5 Practicability of installation

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

6 Strength and stability

6.1 When tested in accordance with BS EN 12467 : 2012, 12 mm thick Cem-Rock LITE and Cem-Rock eXtreme X4 achieved a mean Modulus of Rupture (MoR) of 10.3 and 16.8 MPa respectively. The same performance can be assumed for the thicker boards.

6.2 For non-structural sheathing applications, the designer must ensure that the steel-/timber-frame has adequate strength to resists all lateral, and any other, loads on their own. No contribution may be assumed from the boards in this regard.

6.3 The attachment of any subframe support for external wall cladding, and any other applied loads must be fixed back through the boards to the steel- or timber-frame structure.

6.4 A suitably qualified and experienced individual must check the design and method of installation of the boards.

6.5 Design wind actions on the wall should be calculated in accordance with BS EN 1991-1-4 : 2005 and its UK National Annex. Due consideration should be given to higher pressure coefficients applicable to corners of the building as recommended in this Standard, as additional fixings may be necessary. In accordance with BS EN 1990 : 2002 and its UK National Annex, it is recommended that a partial load factor of 1.5 is used to determine the design wind load to be resisted.

6.6 When evaluated for racking resistance in accordance with BS EN 1995-1-1 : 2004 [following a racking strength and stiffness test(1) in accordance with BS EN 594 : 2011], a timber-frame wall panel(2) with a 9 mm Cem-Rock eXtreme X4 board fixed with nails(3) to the face of the timber-frame at 150 mm centres to the perimeter and at 300 mm centres to the internal studs, was found to achieve the design racking resistances shown in Table 2. The same performance may be assumed for thicker boards.

(1) Racking test carried out on panel with timber-frame of overall dimensions 2400 mm by 2400 mm.
(2) Studs: timber grade C16, minimum size 38 mm by 89 mm and spaced at a maximum of 600 mm.
(3) Nails: shaft diameter 2.8 mm, length 51 mm.

Table 2 Design Racking resistance(1) ($kN \cdot m^{-1}$)

	9 mm thick Cem-Rock eXtreme X4	
Top load per stud (kN)	0	5
Basic racking resistance ($kN \cdot m^{-1}$)	2.21	1.71
Design racking resistance(1) ($kN \cdot m^{-1}$)	0.92	2.64

(1) Design racking resistances have been calculated by applying the appropriate modification factor, k_{mod}, and partial factor for material properties, g_m, in accordance with BS EN 1995-1-1 : 2004.

6.7 The characteristic pull-through resistance of the 4.2 by 40 mm fixings with a head diameter of 9 mm (as described in section 1.2) through the 9 mm thick Cem-Rock eXtreme X4 boards(1) were calculated from pull-through failure values determined by tests and are given in Table 3.

(1) The pull-through values may be used for the thicker board variations for Cem-Rock eXtreme X4 boards, but may not be used for Cem-Rock LITE boards.

Table 3 Characteristic pull-through resistance(1) (kN)

Ring diameter (mm)	Centre	Edge	Corner
180	1.25	0.72	1.50
270	0.98	0.32	1.47
250	0.99	0.43	1.47

(1) Design pull-through resistances should be calculated by applying a partial factor of 1.5 to the characteristic values given.

7 Behaviour in relation to fire

7.1 When classified in accordance with BS EN 13501-1 : 2018, Cem-Rock LITE(1) and Cem-Rock eXtreme X4(2) achieved a reaction to fire classification of A1 and are not subject to any restriction on building height or proximity to boundaries.

(1) Report No. 200929011SHF-002-R1 issued on 02 December 2020. Full report available from the Certificate holder.
(2) Report No. 211019016SHF-006 issued on 22 November 2022. Full report available from the Certificate holder.

7.2 Constructions incorporating the boards achieved the periods of fire resistance shown in Table 4. Users should refer to the referenced test reports, available from the Certificate holder, for the full construction details.

Table 4 Fire resistance duration – non-loadbearing constructions

Construction (from face exposed to fire outwards)	Duration[(1)] (minutes)	Classification to BS EN 13501-2	Test method / Report reference
15 mm gypsum plasterboard (Gyproc Fireline) 1.2 mm galvanized steel C stud (40 x 94 x 40) base track 1.2 mm galvanized steel C stud (50 x 90 x 50) at 600 mm c/s 2.0 mm galvanized steel C stud (70 x 94 x 70) head track 100 mm mineral wool stud cavity insulation 12 mm Cem-Rock eXtreme X4 boards	E = 90 I = 76	N/A	BS 476-22 : 1987 Report No. 10128/22-6, dated 14 February 2022
12 mm Cem-Rock eXtreme X4 boards 1.2 mm galvanized steel C stud (40 x 94 x 40) base track 1.2 mm galvanized steel C stud (50 x 90 x 50) at 600 mm c/s 2.0 mm galvanized steel C stud (70 x 94 x 70) head track 100 mm mineral wool stud cavity insulation 15 mm gypsum plasterboard (Gyproc Fireline)	E = 100 I = 100	N/A	BS 476-22 : 1987 Report No. 10128/22-5, dated 14 February 2022
15 mm gypsum plasterboard (Gyproc Fireline) 1.2 mm galvanized steel C stud (40 x 94 x 40) base track 1.2 mm galvanized steel C stud (50 x 90 x 50) at 600 mm c/s 2.0 mm galvanized steel C stud (70 x 94 x 70) head track 100 mm mineral wool stud cavity insulation 12 mm Cem-Rock eXtreme X4 boards	E = 90 I = 76	EI 60	BS EN 1364-1 : 2015 Report No. 10128/22-3, dated 14 February 2022 Classification to BS EN 13501-2 : 2016 Report No. 10128/22-4, dated 14 February 2022
12 mm Cem-Rock eXtreme X4 boards 1.2 mm galvanized steel C stud (40 x 94 x 40) base track 1.2 mm galvanized steel C stud (50 x 90 x 50) at 600 mm c/s 2.0 mm galvanized steel C stud (70 x 94 x 70) head track 100 mm mineral wool stud cavity insulation 15 mm gypsum plasterboard (Gyproc Fireline)	E = 100 I = 98	EI 90	BS EN 1364-1 : 2015 Report No. 10128/22, dated 14 February 2022 Classification to BS EN 13501-2 : 2016 Report No. 10128/22-2, dated 14 February 2022

(1) Where E is Integrity and I is Thermal Insulation, as defined in BS EN 13501-2 : 2016.

7.3 Designers should refer to the relevant national Building Regulations and guidance for detailed conditions of use, particularly with regard to requirements for fire performance, cavity barriers and combustibility limitations for materials and components used in the overall wall construction, for example, thermal insulation.

7.4 Where the boards are incorporated in a wall construction which is subject to fire resistance requirements, the performance of constructions other than those in Table 4 should be confirmed by an appropriate assessment by a suitably qualified and experience individual or by a test from a suitably accredited laboratory.

8 Resistance to moisture

8.1 When tested for water impermeability in accordance with BS EN 12467 : 2012, no water droplets formed on the lower surface within 24 hours; the boards, therefore, conform to the requirements of Category B boards, as defined in the same Standard.

8.2 Cem-Rock LITE and Cem-Rock eXtreme X4 have a water vapour resistance of 19.1 and 19.8 $MN \cdot s \cdot g^{-1}$ respectively in accordance with BS EN ISO 12572 : 2001.

8.3 Cem-Rock LITE and Cem-Rock eXtreme X4 have water absorption values of 43.8 and 10.9 % respectively when tested to BS EN 520 : 2004. Cem-Rock LITE should be restricted to use in non-humid environments.

8.4 When exposed to high humidity environments as defined in PAS 670 : 2021, Section 13, for a duration of 170 days the boards did not exhibit any liquid droplets on the surface.

8.5 The boards are not suitable for use where they may be in contact with water for prolonged periods.

8.6 External walls must have suitable weather protection on the outside and a ventilated cavity must be provided between the external cladding and sheathing. Cem-Rock eXtreme X4 boards must be treated as a conventional sheathing board with regard to detailing and damp-proofing at openings, eaves and sole plates, and the fixing of wall ties. Where required by design, the addition of a breather membrane must be in accordance with BS 5250 : 2021.

11 Maintenance

11.1 As the boards have adequate durability (see section 12), will normally be confined within the building structure and will be covered with finishes, maintenance is not required.

11.2 Under normal conditions of use, the boards are unlikely to suffer damage, but if damage does occur, the boards should be replaced.

12 Durability

12.1 The boards have been tested and are not susceptible to algal growth.

12.2 Under normal service conditions, provided the boards are fixed to satisfactory, stable and durable backgrounds, they will have a service life equal to the building in which they are installed.

12.3 Care should be taken when designing, detailing and constructing buildings to ensure that moisture does not accumulate within the boards.

Installation

13 General

13.1 Cem-Rock LITE and Cem-Rock eXtreme X4 must be installed in accordance with this Certificate and the Certificate holder's instructions. A sufficient level of supervision must be present during the installation of the boards to ensure the quality of workmanship.

13.2 The boards can withstand normal site handling and fixing. Damaged boards should not be used. Normal safety precautions should be observed when handling large boards. Reasonable precautions must be taken to ensure the board is not damaged during installation.

13.3 The boards can be cut and fixed using conventional woodworking tools, though the use of handsaws with hardened teeth is recommended. The boards may be cut using a circular saw with tungsten carbide tipped blade or a jigsaw. All cutting should take place in well ventilated spaces and using dust extraction facilities. Suitable dust control measures must be taken (eg protective safety glasses and respiratory masks) observing all necessary health and safety regulations. The boards must be stored, handled and used in accordance with this Certificate and the Certificate holder's installation and health and safety instructions.

13.4 It is important to observe appropriate health and safety legislation when working on site (that is, using personal protective clothing and equipment). The Certificate holder should be consulted for material safety data sheets and advice. When working in enclosed areas, precautions should be taken to ensure dust levels are controlled in accordance with the current issue of EH40/2005.

13.5 The boards should be installed in dry conditions at an ambient temperature of 5°C or above.

14 Procedure

14.1 The boards are fixed to the steel/timber studs using the specified screws (see section 1.2) at maximum 300 mm spacing on board end supports and intermediate vertical supports, ensuring that the screws are flush-fitted (that is, not overtightened), and positioned at a minimum of 12 mm from the edges of the boards and a minimum of 50 mm from the corners.

14.2 Once the first board is installed, subsequent boards are installed butt-jointed.

14.3 After installation of the boards, they should be left for approximately 24 to 48 hours to allow the boards to equalise to the moisture content of the ambient atmosphere.

14.4 Where boards are installed over areas with fixtures and fittings, cut-outs should be carried out before installation.

15 Repair

Under normal conditions of occupancy, the boards are unlikely to suffer damage. Should damage occur, repairs are carried out by replacing the damaged board.

Technical Investigations

16 Tests

Tests were carried out and the results assessed to determine:

- density
- reaction to fire
- resistance to algal growth
- dimensional tolerances
- resistance to warm water
- resistance to soak/dry
- resistance to freeze/thaw
- resistance to heat/rain
- bending strength
- resistance to pull-through of fixings
- water absorption
- moisture movement
- performance of board in humidity
- racking resistance
- water vapour permeability.

17 Investigations

The manufacturing process was evaluated, including the methods adopted for quality control, and details were obtained of the quality and composition of the materials used.

Bibliography

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

BS EN 351-1 : 2007 *Durability of wood and wood-based products – Preservative-treated solid wood – Classification of preservative penetration and retention*

BS EN 520 : 2004 *Gypsum plasterboards. Definitions, requirements and test methods*

BS EN 594 : 2011 *Timber structures – Test methods – Racking strength and stiffness of timber frame wall panels*

BS EN 1990 : 2002 + A1 : 2005 *Eurocode – Basis of structural design*
NA to BS EN 1990 : 2002 + A1 : 2005 *UK National Annex for Eurocode – Basis of structural design*

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

BS EN 1993-1-1 : 2005 + A1 : 2014 *Eurocode 3 – Design of steel structures – General rules and rules for buildings*
NA to BS EN 1993-1-1 : 2005 + A1 : 2014 *UK National Annex to Eurocode 3 – Design of steel structures – General rules and rules for buildings*
BS EN 1993-1-3 : 2006 *Eurocode 3 – Design of steel structures – General rules – Supplementary rules for cold-formed members and sheeting*
NA to BS EN 1993-1-3 : 2006 *UK National Annex to Eurocode 3 – Design of steel structures – General rules – Supplementary rules for cold-formed members and sheeting*

BS EN 1995-1-1 : 2004 + A2 : 2014 *Design of timber – General – Common rules and rules for buildings*
UK National Annex to BS EN 1995-1-1 : 2004 + A2 : 2014 *Design of timber – General – Common rules and rules for buildings*

BS EN 12467 : 2012 + A2 : 2018 *Fibre-cement flat sheets – Product specification and test methods*

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 12572 : 2001 *Hygrothermal performance of building materials and products – Determination of water vapour transmission properties*
EH40/2005

PAS 670 : 2021 *Magnesium oxide-based boards for use in buildings — Specification*

18 Conditions

18.1 This Certificate:

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

18.2 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.

18.3 This Certificate will remain valid for an unlimited period provided that the product/system and its manufacture and/or fabrication, including all related and relevant parts and processes thereof:

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

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

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

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

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