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Agrément Certificate
14/5115
Product Sheet 1 Issue 4

PCS THERMAL CONSTRUCTION BOARDS

PCS VIPA BOARDS

This Agrément Certificate Product Sheet(1) relates to PCS Vipa Boards, a range of boards comprising rigid extruded polystyrene foam, finished on both sides with a polymer-modified mortar facing, reinforced with a glass fibre mesh fabric. The boards are for use as an intermediate substrate to ceramic, natural stone tiling and porcelain, for internal use on walls and floors.

(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 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 Fourth issue: 23 April 2025

Originally certified on 14 May 2014

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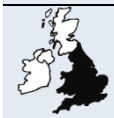
SUMMARY OF ASSESSMENT AND COMPLIANCE

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 PCS Vipa Boards, 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 products can contribute to satisfying this Requirement. See section 2 of this Certificate.
Requirement:	**C2(c)**	**Resistance to moisture**
Comment:		Walls incorporating the products can satisfy this Requirement. See section 3 of this Certificate.
Regulation:	**7(1)**	**Materials and workmanship**
Comment:		The products are acceptable. See sections 8 and 9 of this Certificate.
Regulation:	**7(2)**	**Materials and workmanship**
Comment:		The products are restricted by this Regulation. See section 2 of this Certificate.

The Building (Scotland) Regulations 2004 (as amended)

Regulation:	**8(1)**	**Fitness and durability of materials and workmanship**
Comment:		The products are acceptable. See sections 8 and 9 of this Certificate.
Regulation:	**8(3)**	**Fitness and durability of materials and workmanship**
Comment:		The products are restricted by this Regulation. See section 2 of this Certificate.
Regulation:	**9**	**Building standards – construction**
Standard:	2.4	Cavities
Comment:		The products can contribute to satisfying this Standard, with reference to clause 2.4.2[(1)(2)]. See section 2 of this Certificate.
Standard:	2.6	Spread to neighbouring buildings
Comment:		The products are restricted by this Standard, with reference to clauses 2.6.4[(1)(2)], 2.6.5[(1)] and 2.6.6[(2)]. See section 2 of this Certificate.
Standard:	3.15	Condensation
Comment:		The products can contribute to satisfying this Standard, with reference to clauses 3.15.1[(1)], 3.15.4[(1)] and 3.15.5[(1)]. See section 3 of this Certificate.
Standard:	7.1(a)	Statement of sustainability
Comment:		The products can contribute to satisfying the relevant requirements of Regulation 9, Standards 1 to 6, and therefore will contribute to a construction meeting at least a bronze level of sustainability as defined in this Standard.

Regulation:	**12**	**Building standards – conversion**
Comment:		All comments given for 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(1)(a)(i) (iii)(iv)(b)(i)**	**Fitness of materials and workmanship**
Comment:		The products are acceptable. See sections 8 and 9 of this Certificate.
Regulation:	**23(2)**	**Fitness of materials and workmanship**
Comment:		The products are restricted by this Regulation. See section 2 of this Certificate.
Regulation:	**29**	**Condensation**
Comment:		The products are acceptable. See section 3 of this Certificate.
Regulation:	**35(4)**	**Internal fire spread – Structure**
Comment:		The products can contribute to satisfying this Regulation. See section 2 of this Certificate.

Additional Information

NHBC Standards 2025

In the opinion of the BBA, PCS Vipa Boards, 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 9.2 *Wall and ceiling finishes* and 9.3 *Floor finishes.*

Fulfilment of Requirements

The BBA has judged PCS Vipa Boards to be satisfactory for use as described in this Certificate. The products have been assessed as an intermediate substrate to ceramic, natural stone tiling and porcelain for internal use on walls and floors.

ASSESSMENT

Product description and intended use

The Certificate holder provided the following description for the products under assessment. PCS Vipa Boards consist of rigid extruded polystyrene foam, finished on both sides with a polymer-modified cementitious coating reinforced with glass fibre mesh fabric.

The products are available in the sizes and weights given in Table 1.

Table 1 Nominal dimensions and weights

Thickness (mm)	Width x length (mm)	Nominal weight per board (kg)
4	600 x 1200	2.15
6	600 x 1200	2.25
10	600 x 1200	2.37
	600 x 2400	4.74
12.5	600 x 1200	2.42
	600 x 2400	4.84
	900 x 1200	3.60
	900 x 2400	7.20
	1200 x 2400	9.68
20	600 x 1200	2.59
	600 x 2400	5.18
	1200 x 2400	10.36
30	600 x 1200	2.80
	600 x 2400	5.62
40	600 x 1200	3.02
	600 x 2400	6.06
50	600 x 1200	3.25
	600 x 2400	6.50
60	600 x 1200	3.46
	600 x 2400	6.93
	1200 x 2400	13.86
70	600 x 1200	3.68
	600 x 2400	7.36
80	600 x 1200	3.91
	600 x 2400	7.82

Ancillary Items

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:

- fixings/washers — 35 mm diameter galvanized, stainless steel or plastic washers and screws for fixing the boards to the substrate
- reinforcing tape — a self-adhesive glass fibre mesh tape for application over joints between boards prior to tiling.
- flexible waterproof cementitious tile adhesive conforming to BS EN 12004-1 : 2017
- flexible waterproof grout conforming to BS EN 13888 : 2022
- waterproof fleece tape and waterproofing paste — for application over joints between boards when used in wet areas
- primers – for preparing new concrete or screed prior to fixing the boards
- dowel fixings — for fixing boards to solid surfaces when use of adhesive is inappropriate
- fungicidal wash.

Applications

The products are intended for use in the following applications:

- for internal use as an intermediate substrate to ceramic, porcelain and natural stone tiling
- as part of a system of tiles, cement-based tile adhesive and grout to install a stable, waterproof tile substrate in showers and wet areas. The Certificate holder must be consulted for suitable products, but such products and advice are outside the scope of the Certificate
- the boards may be directly bonded to clean, sound brick, block or concrete walls and may also be used on concrete floors or suspended timber floors
- the boards may also be used to produce various kinds of substructure, such as bath surrounds and partitions. The Certificate holder must be consulted for advice on the products' suitability for any proposed project, but such advice is outside the scope of this Certificate.

Product assessment – key factors

The products were 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 Mechanical properties

1.1.1 Results of tests for mechanical properties are given in Table 2.

Table 2 Mechanical properties

Product assessed	Assessment method	Requirement	Result
PCS Vipa Boards	Bending strength to BS EN 12089 : 2013, Method B	Value achieved	Flexural stress 4415 kPa Flexural modulus 147 MPa
	Pull-through of fixings to ETAG 004 : 2013	Value achieved	1089 N
	Bond strength/ resistance to delamination to EOTA TR-004 : 2004, stress at maximum force	Value achieved	263 kPa

1.1.2 Tensile strength perpendicular to the face was assessed based on data from a representative related product.

1.1.3 On the basis of data assessed, the products have suitable mechanical properties for their intended use.

1.2 Resistance to impact

1.2.1 The resistance to hard and soft body impact was assessed based on data from a representative related product.

1.2.2 On the basis of the data assessed, a complete tiled assembly will resist the effects of the normal impacts expected in service.

1.3 Floor loading

1.3.1 Compressive strength at 10% deformation and compressive creep was assessed based on data from a representative related product.

1.3.2 For design purposes, the compressive strength of the boards at 10% compression must be taken as 300 $kN \cdot m^{-2}$ and compressive creep level CC (1.50/1.00/10)100 as defined in BS EN 13164 : 2012.

1.3.3 The boards are capable of resisting a uniformly distributed load of 1.5 $kN \cdot m^{-2}$ with minimal deflection.

1.3.4 On the basis of data assessed, the products satisfactory for use in domestic and residential applications.

2 Safety in case of fire

Data were assessed for the following characteristic.

2.1 Reaction to fire

2.1.1 The result of a reaction to fire tests is given in Table 3.

Table 3 Reaction to fire

Product assessed	Assessment method	Requirement	Result
6 mm PCS Vipa Boards with 4 mm XPS insulation core	BS EN 13501-1 : 2018	Value achieved	Class E/E_{FL} (1)(2)

(1) Classification is valid for nominal thicknesses of ≥ 6 mm and an insulation core thickness of ≥ 2.5 mm.
(2) Classification reports 533638 and 536446, issued by Warringtonfire, available from the Certificate holder upon request.

2.1.2 The reaction to fire classification of the 4 mm boards and of tiled boards may be different, and the classification and permissible areas of use must be established in accordance with the documents supporting the national Building Regulations.

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

2.1.4 In England, the products must not be used as part of an external wall in 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, dormitories in boarding schools, hostels, hotel or boarding houses.

2.1.5 In Wales and Northern Ireland, the products must not be used as part of an external wall in 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.

2.1.6 In Scotland, the products must not be used as part of an external wall less than 1 m from a relevant boundary, or on buildings more than 11 m in height.

2.1.7 Any cavities formed by the products must have appropriate cavity barriers and fire stopping as required by the documents supporting the national Building Regulations.

3 Hygiene, health and the environment

Data were assessed for the following characteristics.

3.1 Condensation

3.1.1 Thermal conductivity was assessed based on data from a representative related product.

3.1.2 When carrying out condensation risk assessments, the water vapour transmission factor (μ) of the untiled boards must be taken as 150.

3.1.3 On the basis of the data assessed, the boards can offer significant resistance to water vapour transmission provided all the joints are taped and the tiling is bonded and grouted in accordance with the Certificate holder's literature.

4 Safety and accessibility in use

Not applicable.

5 Protection against noise

Data were assessed for the following characteristics.

5.1 Noise reduction

5.1.1 The result of a reduction of transmitted impact noise test is given in Table 4.

Table 4 Reduction of transmitted impact noise

Product assessed	Assessment method	Requirement	Result
6 mm PCS Vipa Boards	Weighted Impact Sound Improvement Index (ΔL_w) to BS EN ISO 717-2 : 2013	Value achieved	19 dB

5.1.2 On the basis of data assessed, the use of the products can reduce noise resulting from impacts.

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 products were assessed.

8.2 The results of the durability tests are given in Table 5.

Table 5 Durability

Product assessed	Assessment method	Requirement	Result
PCS Vipa Boards	Bending strength to BS EN 12089 : 2013, Method B	No significant deterioration	
	Wet - water bath for 48 hours at 23°C		Pass
	Heat aged – for 180 days at 50°C		Pass
	Pull-through of fixings to ETAG 004 : 2013	No significant deterioration	Pass
	Wet - water bath for 48 hours at 23°C		
	Resistance to delamination to EOTA TR-004 : 2004, stress at maximum force	No significant deterioration	Pass
	Water soak at 23°C for 28 days and 50% RH, followed by water bath for 7 days at 23°C		

8.3 Service life

Under normal service conditions, the products will have a life at least equivalent to the structure in which they are incorporated, provided they are 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 specified in this Certificate.

9.1.2 The products can be installed on internal walls and floors of new or existing buildings. The fixing method depends on the substrate.

9.1.3 For 10mm thick boards, vertical studs must be set at maximum 300mm centres. For 12.5mm thick boards, vertical studs must be set at maximum 400mm centres. And for boards 20mm thick and above, stud centres can be set at maximum 600mm centres.

9.1.4 External walls of existing buildings must be in good condition and resist the penetration of moisture to the internal face.

9.1.5 If the wall is slightly uneven, contaminated or incompatible with the recommended adhesive, or if heavy stone tiles are to be used, the boards must be mechanically fixed using fixings that are suitable for the condition of the substrate as specified by a suitably experienced and competent individual.

9.1.6 If mould or fungal growth is present, it must be treated prior to the application of the boards. The Certificate holder must be consulted for suitable anti-fungal products, but such advice and products are outside the scope of this Certificate.

9.1.7 When the boards are fixed using adhesive, tests must be carried out to ensure adequate adhesion can be achieved. The advice of the Certificate holder must be sought, but such advice is outside the scope of this Certificate.

9.1.8 The boards must not bridge movement joints. These must be carried through the board/tile bed and sealed in an appropriate manner. The Certificate holder must be consulted for suitable joint solutions, but such advice is outside the scope of this Certificate.

9.1.9 Tiles are fixed to the boards using a suitable flexible cement-based tile adhesive, applied in accordance with the manufacturer's instructions, BS 8000-11 : 2011 and the relevant parts of BS 5385-3 : 2014.

9.1.10 Natural stone tiling can be mechanically fixed in accordance with BS 8298-2 : 2010, BS 8298-3 : 2010 and BS 8298-4 : 2010.

9.1.11 The suitability of any specific installation, including the supporting wall, to support a particular tile loading must be assessed by a suitably experienced and competent individual.

9.1.12 Provided the tiles selected are correctly specified to resist the designed, distributed and concentrated loads, the boards are suitable for use in Categories A1 and A2 and appropriate Type A situations for domestic and residential activities as defined in BS EN 1991-1-1 : 2002 and its UK National Annex, Table NA.2.

9.1.13 The level of resistance to concentrated loads will depend on the size and strength of the tiles used to cover the boards.

9.1.14 Walls incorporating the products contribute to satisfying the requirements of the national Building Regulations with regard to surface condensation. Continuity of the products must be maintained around windows and junctions between walls and floors.

9.1.15 The boards will provide a degree of thermal insulation. For calculation purposes, the Certificate holder may be consulted for thermal conductivity characteristics of the boards, but this aspect of performance has not been assessed by the BBA and is outside the scope of this Certificate.

9.1.16 The detailed guidance given in the documents supporting the national Building Regulations for the provisions that are applicable when the system is installed in close proximity to certain flue pipes and/or heat-producing appliances must be followed.

9.1.17 Objects other than lightweight items must be fixed through the boards into the wall behind using suitable proprietary fixings, in accordance with the Certificate holder's instructions.

9.1.18 Recessed lighting must not be used with the products.

9.1.19 With timber batten systems, services can be incorporated in the void behind the boards (provided the void is at least 20 mm wide), making chasing of the wall unnecessary. When using adhesive systems, or where the services have a greater depth than the void, the wall must be chased rather than the board. It is recommended that services penetrating the board, eg light switches and power outlets, are kept to a minimum.

9.1.20 Installation of the boards requires careful detailing around doors and windows to achieve a satisfactory finish. New work must be designed to accommodate the thickness of the overall installation.

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.

9.2.3 Joints between boards used in areas that may be exposed to water must be sealed using a suitable sealant and/or waterproof tape. The Certificate holder must be consulted for suitable materials, but such advice and products are outside of the scope of this Certificate.

9.2.4 The minimum board thickness required for each application is given in Table 6.

Table 6 Minimum board thickness requirements for each application

Application	Thickness (mm)
Fixing into solid floors	4
Fixing into timber floor boarding	6
Fixing in wall applications	6
Fixing on plywood lined stud framework	6
Solid bed fixing onto masonry walls	6
Fixing over unlined or plasterboard lined stud framework	10
External stud framework	12.5
Fixing with dot and dab method onto masonry walls	12.5

Fixing to floors

9.2.5 Floors must be flat and able to accept the loads expected for any specific installation.

9.2.6 Existing concrete bases and screeds must be mechanically prepared in accordance with BS 8204-1 : 2003 to ensure removal of all traces of existing finishes and contamination, exposing a clean surface. New concrete or screed bases must be cured in accordance with BS 8204-1 : 2003 to allow shrinkage to occur prior to fixing the boards.

9.2.7 New concrete or screed must be fully cured and primed prior to fixing the boards. The adhesive manufacturer must be consulted for suitable primers, but such advice and products are outside the scope of this Certificate.

9.2.8 The boards are applied onto the prepared base using a flexible cementitious tile adhesive. The Certificate holder must be consulted for suitable materials, but such advice and products are outside of the scope of this Certificate.

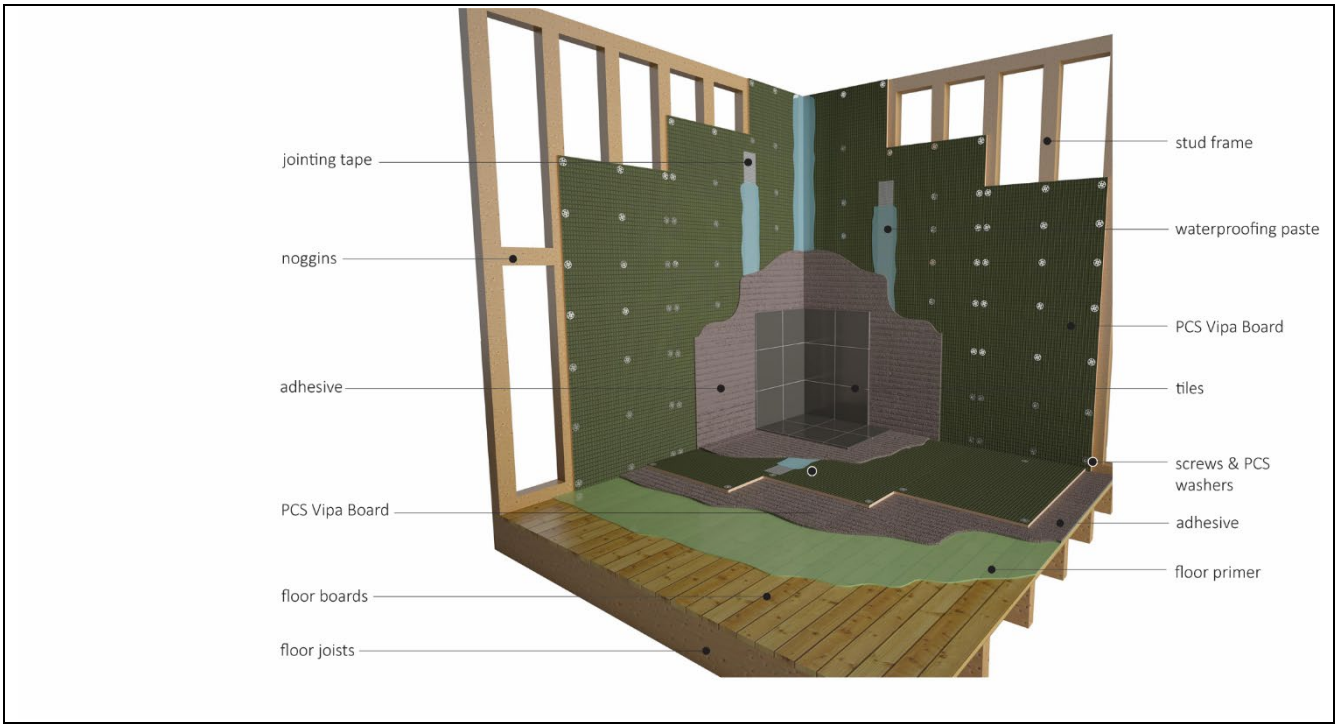
9.2.9 The adhesive must be mixed in accordance with the manufacturer's instructions and applied using an 8 mm square notched trowel, ensuring a solid bed of adhesive to eliminate the possibility of voids between the adhesive and boards.

9.2.10 The boards must be laid with staggered joints on the fresh adhesive and be thoroughly bedded in, to ensure that, as far as is practicable, voids are eliminated, and the boards are fully supported.

9.2.11 The adhesive must be allowed to harden before the joints are taped in accordance with the Certificate holder's instructions.

9.2.12 The boards may also be fixed to level wooden floors using a flexible waterproof cementitious tile adhesive as described in sections 9.2.8 to 9.2.10 (see Figure 1).

Figure 1 Fixing to wooden stud walls and floors



9.2.13 In addition to the adhesive layer, when fixing to timber floor boards, the products must also be secured to the floor boarding with 35 mm diameter fixing washers and a suitable screw with a countersunk head once the adhesive has set. The spacing for the fixing washers must be set at 400 to 600 mm centres (eg 8 fixing washers per 1200 x 600 mm board).

9.2.14 Alternatively, the boards can be mechanically fixed, without the use of adhesive, using suitable screws and 35 mm diameter metal washers. Fixings must be equally spaced at 300 mm centres.

9.2.15 The fixing washers must be positioned along the board edge and also down the centre line of each board. The fixing washers placed down the centre of the board must be staggered from the edge fixings, creating a crisscross pattern on the surface. It is acceptable to place fixing washers directly along the board edge, so that the fixing washers can secure adjacent boards, reducing the amount of fixings required.

9.2.16 Floor tiles must be of a minimum size of 100 by 100 mm, and a solid-bed fixing technique used to ensure that voids do not remain under the tiles.

9.2.17 The 4 mm board must not be used on timber floor boarding. All thicknesses are suitable for fixing onto solid floors.

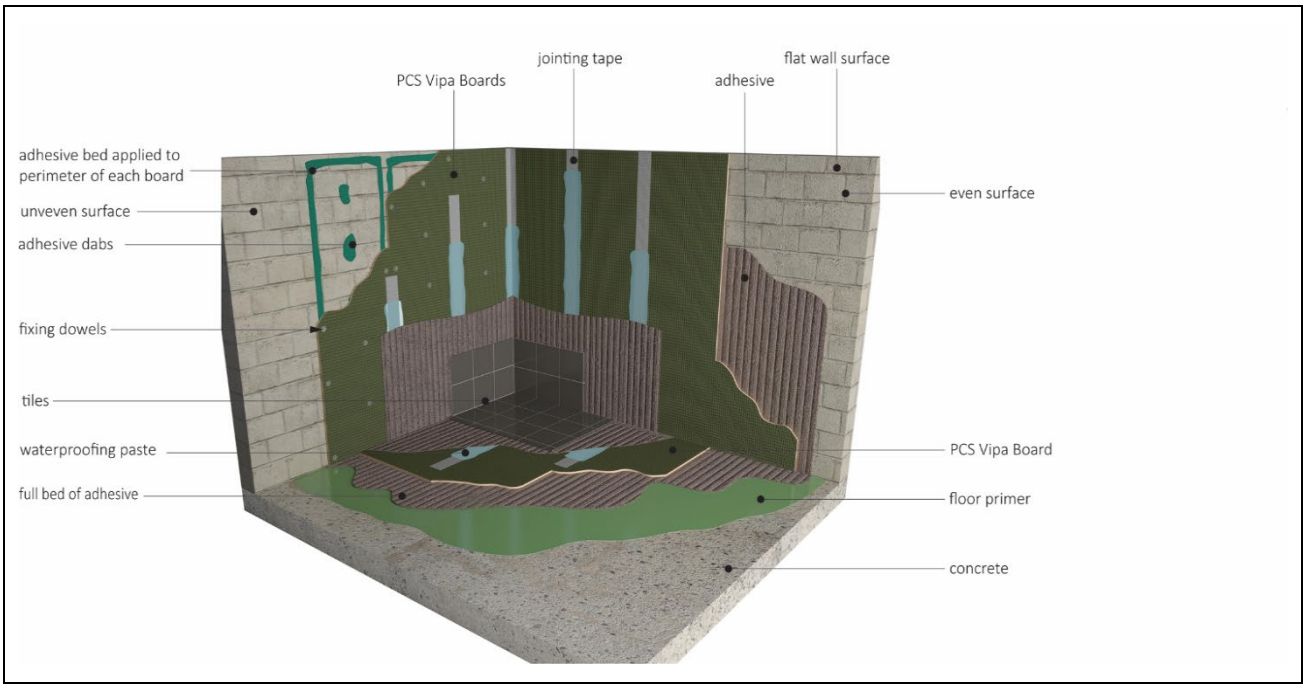
Fixing to walls

9.2.18 Existing walls must be sound and free of dust or other contamination that may affect the adhesion.

9.2.19 Boards less than 12.5 mm thick must be fixed using a solid bed of adhesive applied to the surface of the board using a notched trowel.

9.2.20 Boards at least 12.5 mm thick can be fixed to level masonry or concrete walls with a flexible cementitious tile adhesive using a dot and dab method supported by suitable dowel fixings with minimum 35 mm diameter washers. The advice of the Certificate holder must be sought for suitable adhesive and fixings, but such advice and products are outside the scope of this Certificate (see Figure 2).

Figure 2 Fixing to solid walls and floors



9.2.21 The adhesive must be mixed in accordance with the manufacturer's instructions, and applied as a solid bead approximately 50 mm wide around the edges of the boards and dot and dabbed at a maximum of 300 mm centres, using dabs of at least 80 mm diameter with a maximum thickness of 30 mm.

9.2.22 When the adhesive has set, suitable fixing dowels must be fixed around the perimeter of the boards at a maximum of 600 mm centres and at least 20 mm from the edges and corners of boards.

9.2.23 For 10 mm thick boards, vertical studs must be set at maximum 300 mm centres. For 12.5mm thick boards, vertical studs must be set at maximum 400mm centres. And for boards 20 mm thick and above, stud centres can be set at maximum 600 mm centres.

9.2.24 All board edges must be supported by noggins.

9.2.25 The boards are fixed using 35 mm diameter metal washers with appropriate screws at least 20 mm longer than the thickness of the board to be fixed. The fixings must be tightened so that the washer is reasonably flush with the board surface.

9.2.26 Fixings must be applied to each supporting timber at approximately 300 mm centres, ie 15 fixings when using a 1200 x 600 mm board or 27 fixings when using a 2400 x 600 mm board.

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 products must be carried out by a competent general builder or contractor experienced with these types of products.

9.4 Maintenance and repair

9.4.1 As the products are confined within the wall structure and have suitable durability, maintenance is not required.

9.4.2 In the event of damage, boards must be replaced before tiling and reinstating the damaged section to the original specification in accordance with the relevant parts of Section 9. If any damage occurs to the tiled boards, it must be repaired as soon as practicable.

10 Manufacture

10.1 The production processes for the products 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 products are delivered to site shrink-wrapped on pallets bearing the product name, Certificate holder's name and batch number. The maximum quantity supplied on a pallet will vary with the thickness of the boards.

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

11.2.1 The boards must be stored flat, indoors, under cover and on a dry, level surface, away from extremes of temperature and sources of contamination.

†ANNEX A – SUPPLEMENTARY INFORMATION

Supporting information in this Annex is relevant to the products 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.

Additional information on installation

A.1 The boards may be cut using hand tools such as a padsaw, keyhole saw or craft knife or appropriate power tools.

A.2 The surface of the boards must be free from dust and other contamination that may adversely affect adhesion of the tiles.

A.3 The Certificate holder must be consulted for suitable adhesives and grouts, but such advice and products are outside the scope of this Certificate.

Bibliography

BS 5385-3 : 2014 *Wall and floor tiling — Design and installation of internal and external ceramic and mosaic floor tiling in normal conditions — Code of practice*

BS 8000-11 : 2011 *Workmanship on building sites — Internal and external wall and floor tiling — Ceramic and agglomerated stone tiles, natural stone and terrazzo tiles and slabs, and mosaics — Code of practice*

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 8298-2 : 2010 *Code of practice for the design and installation of natural stone cladding and lining — Traditional handset external cladding*
BS 8298-3 : 2010 *Design and installation of natural stone cladding and lining Part 3: Stone-faced precast concrete cladding systems — Code of practice*
BS 8298-4 : 2010 *Code of practice for the design and installation of natural stone cladding and lining — Rainscreen and stone on metal frame cladding systems*

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

BS EN 12004-1 : 2017 *Adhesives for ceramic tiles — Requirements, assessment and verification of constancy of performance, classification and marking*

BS EN 12089 : 2013 *Thermal insulating products for building applications — Determination of bending behaviour*

BS EN 13164 : 2012 *Thermal insulation products for buildings — Factory made extruded polystyrene foam (XPS) products — Specification*

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

BS EN 13888 : 2022 *Grouts for ceramic tiles — Test methods*

BS EN ISO 717-2 : 2013 *Acoustics — Rating of sound insulation in buildings and of building elements — Part 2: Impact sound insulation*

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

ETAG 004 : 2013 *Guideline for European Technical Approval of External Thermal Insulation Composite Systems (ETICS) with Rendering*

Conditions of Certificate

Conditions

1 This Certificate:

- relates only to the product that is named and described on the front page
- is issued only to the company, firm, organisation or person named on the front page – no other company, firm, organisation or person may hold or claim that this Certificate has been issued to them
- 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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