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Agrément Certificate
21/5888
Product Sheet 1 Issue 4

PAREX RENDER SYSTEMS

SIKAWALL-580 MONOREX GM, MONOREX GM, MONOREX GF AND MONOBLANCO

This Agrément Certificate Product Sheet(1) relates to SikaWall-580 Monorex GM, Monorex GM, Monorex GF and Monoblanco, self coloured one-coat renders for application to suitably prepared exterior substrates of brickwork, blockwork, concrete and traditional sand/cement render on new or existing buildings.

(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 systems described herein. These systems 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: 15 May 2025
Originally certified on 20 April 2021

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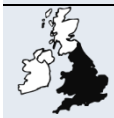
SUMMARY OF ASSESSMENT AND COMPLIANCE

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 SikaWall-580 Monorex GM, Monorex GM, Monorex GF and Monoblanco, 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:	**B4(1)**	**External fire spread**
Comment:		The systems are unrestricted by this Requirement. See section 2 of this Certificate.
Requirement:	**C2(b)**	**Resistance to moisture**
Comment:		The systems will contribute to satisfying this Requirement. See section 3 of this Certificate.
Requirement:	**C2(c)**	**Resistance to moisture**
Comment:		The systems will contribute to satisfying this Requirement. See section 3 of this Certificate.
Regulation:	**7(1)**	**Materials and workmanship**
Comment:		The systems are acceptable. See sections 8 and 9 of this Certificate.
Regulation:	**7(2)**	**Materials and workmanship**
Comment:		The systems are unrestricted by this Regulation. See section 2 of this Certificate.

The Building (Scotland) Regulations 2004 (as amended)

Regulation:	**8(1)(2)**	**Fitness and durability of materials and workmanship**
Comment:		The systems are acceptable. See sections 8 and 9 of this Certificate.
Regulation:	**8(3)**	**Fitness and durability of materials and workmanship**
Comment:		The systems are unrestricted by this Regulation. See section 2 of this Certificate.
Regulation:	**9**	**Building standards - construction**
Standard:	2.6	Spread to neighbouring buildings
Standard:	2.7	Spread on external walls
Comment:		The systems are unrestricted by these Standards, with reference to clauses 2.6.4(1)(2), 2.6.5(1), 2.6.6(2) and 2.7.1(1)(2). See section 2 of this Certificate.
Standard:	3.10	Precipitation
Comment:		A wall rendered with the systems can satisfy the requirements of this Standard, with reference to clauses 3.10.1(1)(2), 3.10.2(1)(2), 3.10.3(1)(2) and 3.10.5(1)(2). See section 3 of this Certificate.
Standard:	3.15	Condensation
Comment:		The systems can contribute to satisfying this Standard, with reference to clauses 3.15.1(1)(2), 3.15.4(1)(2) and 3.15.5(1)(2). See section 3 of this Certificate.
Standard:	7.1(a)	Statement of sustainability
Comment:		The systems 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 systems 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)(ii)(iii)(b)(i)**	**Fitness of materials and workmanship**
Comment:		The systems are acceptable. See sections 8 and 9 of this Certificate.
Regulation:	**23(2)**	**Fitness of materials and workmanship**
Comment:		The systems are unrestricted by this Regulation. See section 2 of this Certificate.
Regulation:	**28(b)**	**Resistance to moisture and weather**
Comment:		The systems can contribute to satisfying this Regulation. See section 3 of this Certificate.
Regulation:	**29**	**Condensation**
Comment:		The systems can contribute to satisfying this Regulation. See section 3 of this Certificate.
Regulation:	**36(a)**	**External fire spread**
Comment:		The systems are unrestricted by this Regulation. See section 2 of this Certificate.

Additional Information

NHBC Standards 2025

In the opinion of the BBA, SikaWall-580 Monorex GM, Monorex GM, Monorex GF and Monoblanco, if installed, used and maintained in accordance with this Certificate, can satisfy or contribute to satisfying the relevant requirements in relation to *NHBC Standards*, Part 6 *Superstructure (excluding roofs),* Chapter 6.11 *Render*.

Fulfilment of Requirements

The BBA has judged SikaWall-580 Monorex GM, Monorex GM, Monorex GF and Monoblanco to be satisfactory for use as described in this Certificate. The systems have been assessed for use as self coloured one-coat renders for application to suitably prepared exterior substrates of brickwork, blockwork, concrete and traditional sand/cement render on new or existing buildings.

ASSESSMENT

Product description and intended use

The Certificate holder provided the following description for the systems under assessment. SikaWall-580 Monorex GM, Monorex GM, Monorex GF and Monoblanco consist of one-coat through-coloured renders containing white cement with selected sands, lime, pigments and additives.

Monorex GF and Monoblanco have finer textures than SikaWall-580 Monorex GM and Monorex GM.

SikaWall-580 Monorex GM, Monorex GM and Monorex GF are available in a standard range of 48 colours, with other colours available to special order. Monoblanco is a bright white version of Monorex GF.

The systems are applied at a render thickness of 15 mm and have an applied weight of between 17 and 20 $kg \cdot m^{-2}$.

Applications

The systems are intended for use as one-coat renders on new or existing buildings on the following suitably prepared and sound substrates:

- brickwork
- blockwork
- concrete
- traditional sand/cement render.

The assessment and this Certificate only include applications to walls above the damp-proof course (DPC) level. The systems have not been assessed for use:

- on woodwool slabs
- on metal lathing
- over painted brickwork and similar backgrounds
- over timber-frame construction
- over metal-frame construction
- on the backs of parapet and screen walls rendered on the face
- on horizontal surfaces exposed to the weather, such as ledges, sills and copings
- as rendering to chimney stacks
- as rendering in Sol bricks.

The systems are not suitable for application to gypsum plaster or previously decorated surfaces.

Product assessment – key factors

The systems 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 Resistance to external factors

1.1.1 Results of hygrothermal performance tests are given in Table 1.

Table 1 Strength and stability results

Product assessed	Assessment method	Requirement	Result
Monorex GM	Hygrothermal performance to MOAT 22 : 1988, 3.3.2	No significant damage	Pass
Monorex GF	Hygrothermal performance to MOAT 22 : 1988, 3.3.2	No significant damage	Pass
SikaWall-580 Monorex GM	Bond strength to ETAG 004 : 2013, 5.1.4.1.1	≥ 0.08 MPa	Pass
Monorex GM	Bond strength to MOAT 22 : 1988, 3.2.1.3,	≥ 0.1 MPa	Pass
Monorex GF	Bond strength to MOAT 22 : 1988, 3.2.1.3	≥ 0.1 MPa	Pass
Monorex GF	Impact resistance to MOAT 22 : 1988, 3.3.3.1 and 3.3.3.2	Diameter used without perforating render	Indent only, 20 mm diameter
SikaWall-580 Monorex GM	Compressive strength to BS EN 1015-11 : 2019, Section 9	CS II	Pass
Monorex GM	Compressive strength to BS EN 13893-2 : 2002	CS II	Pass
SikaWall-580 Monorex GM	Flexural strength to BS EN 1015-11 : 2019, Section 8	Value achieved	1.90 MPa
Monorex GM	Flexural strength to BS EN 12390-5 : 2000	Value achieved	2.29 MPa

1.1.2 On the basis of data assessed, the systems have adequate resistance to impact and cracking in all normal circumstances. Where the systems may be exposed to severe impact (eg on some industrial sites), or are to be applied over existing background cracks, precautions may be required to reduce the risk of damage.

2 Safety in case of fire

Data were assessed for the following characteristics.

2.1 Reaction to fire

2.1.1 Results of a reaction to fire assessment are given in Table 2.

Table 2 Reaction to fire classification

Product assessed	Assessment method	Requirement	Result
SikaWall-580 Monorex GM and Monorex GM	Classification according to BS EN 13501-1 : 2018	≤ 1% organic content	Pass
Monorex GF			Pass
Monoblanco			Pass

2.1.2 The systems are classified as A1 to BS EN 13501-1 : 2018. This classification applies to the complete colour range.

2.1.3 On the basis of data assessed, SikaWall-580 Monorex GM, Monorex GM, Monorex GF and Monoblanco will be unrestricted under the documents supporting the national Building Regulations with regard to building height and proximity to a relevant boundary.

2.1.4 Designers must refer to the relevant national Building Regulations and guidance for alternative approaches and detailed conditions of use, particularly in respect of requirements for substrate fire performance and combustibility limitations for other materials and components used in the overall wall construction (for example, thermal insulation).

3 Hygiene, health and the environment

Data were assessed for the following characteristics.

3.1 Properties in relation to water and water vapour

3.1.1 Results of water vapour permeability tests are given in Table 3.

Table 3 Water vapour permeability

Product assessed	Assessment method	Requirement	Result
Monorex GM	BS EN 1015-19 : 1999	Value achieved	2.05 $kg \cdot m^{-1} \cdot s^{-1} \cdot Pa^{-1}$
Monorex GF		Value achieved	2.98 $kg \cdot m^{-1} \cdot s^{-1} \cdot Pa^{-1}$
Monoblanco		Value achieved	2.54 $kg \cdot m^{-1} \cdot s^{-1} \cdot Pa^{-1}$

3.1.2 Calculations of risk of interstitial condensation must be carried out in accordance with BS 5250 : 2021 using the properties shown in Table 4 of this Certificate.

Table 4 Water vapour coefficient

Product assessed	Thickness (mm)	Water vapour resistance Factor (μ)	Equivalent air layer thickness: S_d in m
Monorex GM, Monorex GF and Monoblanco	15	20	0.3

3.1.3 The results of weathertightness tests are given in Table 5.

Table 5 Weathertightness results

Product assessed	Assessment method	Requirement	Result
Monorex GM	Resistant to wind-driven rain following ageing to a BBA method	No water penetration	Pass
Monorex GF		No water penetration	Pass
Monoblanco		No water penetration	Pass

3.1.4 On the basis of data assessed, the systems will improve the weather resistance of a wall and provide a new decorative finish.

3.1.5 The systems are satisfactory for external use in exposure zones up to and including the 'very severe' wind-driven rain index category in accordance with PD 6697 : 2019, and where two-coat traditional renders would normally be specified.

4 Safety and accessibility in use

Not applicable.

5 Protection against noise

Not applicable.

6 Energy economy and heat retention

Not applicable.

7 Sustainable use of natural resources

Not applicable.

8 Durability

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

8.2 Service life

8.2.1 Under normal service conditions, the systems will have a service life in excess of 30 years, and adequate colourfastness in excess of 20 years, provided they are designed, installed and maintained in accordance with this Certificate and the Certificate holder's instructions.

8.2.2 The systems may be discoloured by water runs and care must be taken to ensure that normal architectural details for shedding water are present and functioning, and that gutters and downpipes are in good condition.

8.2.3 The systems may become discoloured over time, the rate depending on the local environment. The appearance can normally be restored by cleaning with water and a suitable brush. In industrial atmospheres, light-coloured renders must be avoided.

8.2.4 The systems may suffer from algal growth in a similar manner to traditional external rendered finishes. For additional preventative advice, the Certificate holder should be consulted, but such advice is outside the scope of this Certificate.

8.2.5 In common with traditional renders, the systems may be susceptible to lime bloom. The incidence of this may be reduced by proper protection and by avoiding application in winter or adverse weather conditions. The effect is less noticeable on white or lighter colours. For additional preventative advice, the Certificate holder should be consulted, but such advice is outside the scope of this Certificate.

PROCESS ASSESSMENT

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

9 Design, installation, workmanship and maintenance

9.1 Design

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

9.1.2 New constructions to be rendered with the systems must be designed and constructed in accordance with the relevant recommendations of BS EN 1996-2 : 2006 and its UK National Annex, and BS EN 13914-1 : 2016.

9.1.3 The designer must select a construction appropriate to its location, paying due attention to design, detailing and workmanship, and the materials to be used.

9.1.4 It is essential that all walls where the systems are applied are designed and constructed to prevent moisture penetration and the formation of condensation. Substrates must be properly prepared and suitable for receiving a rendered finish.

9.1.5 In common with traditional renders, it is essential that the surface to be rendered is clean and provides a sound mechanical key, to ensure a satisfactory bond between the substrate and the systems. In instances where this is not the case, the Certificate holder should be consulted for advice on substrate preparation, but such advice is 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, the Certificate holder's instructions and the relevant recommendations of BS EN 13914-1 : 2016. A summary of instructions and guidance are provided in Annex A of this Certificate.

9.2.3 The systems must not be applied in rain or mist, at temperatures above 30°C or below 5°C (for light colours) or below 8°C (for dark colours), or if exposure to frost is likely to occur during curing. In common with traditional sand/cement renders, the systems must not be applied to frost-bound walls.

9.2.4 Tests must be conducted in accordance with BS EN 772-5 : 2016 to determine the salt content of the substrate. The results of the tests should be reported to the Certificate holder to enable advice to be given on the suitability of the substrate to receive the systems, but such advice is outside the scope of this Certificate.

Site survey and preliminary work

9.2.5 A pre-application survey of the property must be carried out to determine its suitability to receive the systems and whether repairs to the building structure are necessary before application. A specification must also be prepared by the designer for each elevation indicating:

- preliminary treatment of the background
- the position of beads
- detailing around windows and doors and at eaves
- DPC level
- exact position of movement joints
- areas where flexible sealants must be used
- any alterations to external plumbing, fixtures and fittings.

9.2.6 The mortar in new brickwork must conform to the brick/block manufacturer's recommendations.

9.2.7 All necessary repairs to the building structure must be completed before application.

9.2.8 At the top of walls the system must be protected by an adequate overhang or by adequately sealed, purpose-made flashing.

Preparation of substrate

9.2.9 All damage to the substrate from frost attack, salts or corrosion must be carefully repaired. Damaged bricks or blocks must be replaced and any holes or insufficiently filled joints repaired using a suitable mortar. Loose and spalling render or projecting mortar joints must be removed and uneven surfaces must be levelled using an appropriate render to minimise variations in the thickness of the systems. For additional advice, the Certificate holder should be consulted, but such advice is outside the scope of this Certificate.

9.2.10 The relevant recommendations of BS EN 13914-1 : 2016 must be followed if a satisfactory bond is to be achieved. In particular, the surface to be rendered must provide a good mechanical key and adequate suction, and be free from paint, oil, soot, efflorescence, dust, lichens, mould and similar growth, or anything else that could prevent a satisfactory bond.

9.2.11 It is essential that the substrate to be rendered is clean. This applies to both new and old surfaces.

9.2.12 The substrate must be checked for suction by spraying the surface with clean water. If water is not absorbed, it will be impossible to obtain a good bond and the application must not commence until the surface has dried out. If, however, the water is readily absorbed by the substrate, the background may be too absorbent and some wetting will be necessary, to prevent the water required for the hydration and workability of the system from being extracted too quickly.

9.2.13 Care must be taken to protect the systems from drying too rapidly owing to exposure to direct sunlight or drying wind.

9.2.14 The systems must be protected from rain, mist or cold (below 5°C on a falling thermometer) during the early curing period, as drying could be excessively prolonged under such circumstances.

Application

Traditional application

9.2.15 The systems must be allowed to harden for between 3 and 16 hours, depending on the substrate and drying conditions, before the surface is scraped using a suitable tool.

Finishing

9.2.16 On completion of the rendering, the surface must be checked to ensure an even coverage, texture and consistency of colour.

9.3 Workmanship

Practicability of installation was assessed, on the basis of the Certificate holder's information and site visits to witness installations in progress. To achieve the performance described in this Certificate, installation of the systems must be carried out by a competent general builder, or a contractor, experienced with these types of systems.

9.4 Maintenance and repair

9.4.1 Ongoing satisfactory performance of the systems in use requires that they are suitably maintained. The guidance provided by the Certificate holder was assessed by the BBA and found to be appropriate and adequate.

9.4.2 Regular maintenance checks must be carried out to ensure that architectural details for shedding water clear of the building are present and functioning. External plumbing, fittings, gutters and downpipes must be in good condition to minimise water penetration into the render.

9.4.3 Any damage to the renders must be repaired immediately in accordance with the relevant recommendations of BS EN 13914-1 : 2016 using conventional rendering techniques and materials. The advice of the Certificate holder must be sought for particular installations, but such advice is outside the scope of this Certificate.

10 Manufacture

10.1 The production processes for the systems 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 systems are delivered to site in 25 kg bags on pallets; each pallet weighs up to 1.2 tonnes. The packaging bears the Certificate holder and system names, colour, the Certificate holder's logo, batch number, health and safety information and the BBA logo incorporating the number of this Certificate.

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

11.1.2.1 The systems' components must be stored under cover and protected from moisture and frost.

† ANNEX A – SUPPLEMENTARY INFORMATION

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

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

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

CLP Regulations

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

UKCA marking

The Certificate holder has taken the responsibility of UKCA marking the systems in accordance with Designated Standard EN 998-1 : 2016.

CE marking

The Certificate holder has taken the responsibility of CE marking the systems in accordance with harmonised European Standard EN 998-1 : 2016.

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 by AFAQ (Certificate 15732).

Additional information on installation

General

A.1 The Certificate holder should be consulted to provide a specification for each individual job, but such advice is outside the scope of this Certificate.

A.2 The Certificate holder provides additional training and support, and can advise on specialist installers.

A.3 In sunny weather, work should commence on the shady side of the building and be continued round following the sun, to prevent the render drying out too rapidly.

A.4 To minimise colour shade variations and avoid dry line jointing, continuous surfaces should be completed without a break. If breaks cannot be avoided they should be made where services or architectural features, such as reveals or lines of doors and windows, will help mask cold joints. Where long, uninterrupted runs are planned, bags of the systems should be checked for batch numbers; bags with different batch numbers should be checked for colour consistency.

A.5 Advice concerning the site survey and preliminary work for application of the systems is available to the designer or rendering contractor on request from the Certificate holder, but such advice is outside the scope of this Certificate.

A.6 It is recommended that external plumbing to existing buildings be removed and, where necessary, alterations made to underground drainage to accommodate its repositioning on the finished face of the render.

A.7 On existing buildings purpose-made over-sills may be necessary to extend beyond the finished face of the system. Sills should have an efficient throat or drip on the underside and be designed to prevent water running onto the wall below, or into the jambs. New buildings should incorporate suitably wide sills.

A.8 In common with traditional renders, new walls to be rendered should be left for as long as possible to dry out and to minimise subsequent substrate movement. Where this may not be practical, the Certificate holder should be consulted for additional advice, but such advice is outside the scope of this Certificate.

Preparation of substrate

A.9 Additional advice and a project specification should be sought from the Certificate holder for use on the following substrates, but such advice is outside the scope of this Certificate:

- on low suction smooth substrates (eg shuttered concrete)
- on high suction substrates (eg lightweight aircrete blockwork)
- on wet or patchy substrates.

A.10 On backgrounds of negligible suction, the advice of the Certificate holder should be sought concerning precautions necessary to provide an adequate key, but such advice is outside the scope of this Certificate.

A.11 Scaffolding should be designed to avoid the need to subsequently make good putlog holes and other breaks in the work.

Mixing

A.12 The systems are mixed in a suitable paddle mixer or continuous spray-rendering machine. Clean water should be added at a steady rate and mixing continued until a uniform material with a consistent workability is achieved.

A.13 The exact amount of water required depends on the mixing output, but is typically:

- from 5.2 to 6.3 litres per 25 kg bag of SikaWall-580 Monorex GM
- from 5.2 to 6.3 litres per 25 kg bag of Monorex GM
- from 5.2 to 6.3 litres per 25 kg bag of Monorex GF
- from 5.0 to 5.5 litres per 25 kg bag of Monoblanco.

A.14 When mixing, a filter respirator must be worn. Where excessive concentrations of dust may accumulate, the measures defined in the Health and Safety Executive Publication EH40/2005 *Workplace exposure limits for unlisted substances* (2nd Edition 2011, amended March 2013) must be adhered to.

A.15 Protective clothing must be worn to avoid contact both with dry, unmixed material and with wet mortar. Great care must be taken to avoid contact with the eyes.

A.16 The renders are applied by hand trowel as a traditional render, or by pump. The Certificate holder can advise on suitable equipment, but such advice and equipment are outside the scope of this Certificate.

A.17 In common with traditional renders, slumping of the material may occur if the mix is too wet, increasing the risk of settlement cracks developing.

Application

A.18 The systems are applied one coat in two passes, the first to give a 3 to 5 mm thick coating on the prepared background. A second pass is made to produce a total thickness of 18 mm prior to creating the desired finish. Advice on any mesh reinforcement requirements can be obtained from the Certificate holder, but such advice is outside the scope of this Certificate.

Traditional application

A.19 The systems can receive a range of finishes after application and should achieve a minimum 15 mm thickness after receiving the desired finish.

Curing

A.20 Polythene sheeting is recommended for curing and should be arranged to hang clear of the face of the wall in such a way that it does not form a tunnel through which the wind could increase the evaporation of water from the render. The polythene sheeting must not be in contact with the system as this will produce a patchy appearance.

Finishing

A.21 Advice on how to achieve finishes such as scraped, rough stone and Ashlar should be sought from the Certificate holder, but such advice is outside the scope of this Certificate.

Bibliography

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

BS EN 772-5 : 2016 *Methods of test for masonry units — Determination of the active soluble salts content of clay masonry units*

BS EN 1015-11 : 2019 *Methods of test for mortar for masonry — Determination of flexural and compressive strength of hardened mortar*
BS EN 1015-19 : 1999 *Methods of test for mortar for masonry — Determination of water vapour permeability of hardened rendering and plastering mortars*

BS EN 1996-2 : 2006 Eurocode 6 — *Design of masonry structures — Design considerations, selection of materials and execution of masonry*
NA to BS EN 1996-2 : 2006 UK National Annex to *Eurocode 6 — Design of masonry structures — Design considerations, selection of materials and execution of masonry*

BS EN 12390-5 : 2000 *Testing hardened concrete — Flexural strength of test specimens*

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

BS EN 13893-2 : 2002 *Methods of test for screed materials — Determination of flexural and compressive strength*

BS EN 13914-1 : 2016 *Design, preparation and application of external rendering and internal plastering — External rendering*

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

EN 998-1 : 2016 *Specification for mortar for masonry — Rendering and plastering mortar*

ETAG 004 : 2013 *Guideline for European technical approval of external thermal insulation composite systems (ETICS) with rendering*

EH40/2005 *Workplace exposure limits for unlisted substances* (2nd Edition 2011, amended March 2013)

MOAT 22 : 1988 *UEAtc directives for the assessment of external insulation systems for walls (expanded polystyrene insulation faced with a thin rendering)*

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

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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