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Agrément Certificate
02/3961
Product Sheet 5

WYKAMOL CHEMICAL DAMP-PROOFING SYSTEMS

WYKAMOL REPLASTERING SPECIFICATIONS

This Agrément Certificate Product Sheet⁽¹⁾ relates to Wykamol Replastering Specifications, a range of replastering products for use on existing internal walls following the installation of a chemical damp-proof course (dpc) system.

(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

Resistance to salt transfer — the products will provide an effective barrier against salt transfer (see section 6).

Durability — the products will have a durability equivalent to traditional plastering (see section 8).



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

A handwritten signature in black ink, appearing to read 'John Albon'.

A handwritten signature in black ink, appearing to read 'Claire Curtis-Thomas'.

Date of Fourth issue: 30 July 2018

John Albon — Head of Approvals
Construction Products

Claire Curtis-Thomas
Chief Executive

Originally certificated on 4 December 2002

The BBA is a UKAS accredited certification body – Number 113.

The schedule of the current scope of accreditation for product certification is available in pdf format via the UKAS link on the BBA website at www.bbacerts.co.uk

Readers are advised to check the validity and latest issue number of this Agrément Certificate by either referring to the BBA website or contacting the BBA direct.

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Regulations

In the opinion of the BBA, the use of Wykamol Replastering Specifications in an existing building is not subject to the national Building Regulations.

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 section: 3 *Delivery and site handling* (3.1 and 3.2) of this Certificate.

Additional Information

NHBC Standards 2018

In the opinion of the BBA, Wykamol Replastering Specifications, if installed, used and maintained in accordance with this Certificate, can satisfy or contribute to satisfying the relevant requirements in relation to *NHBC Standards, Chapter 8.2 Wall and ceiling finishes*.

Technical Specification

1 Description

Wykamol Replastering Specifications are a range of replastering products for use on internal walls, comprising:

- Wykamol Renovation Plaster — a pre-mixed, cement-based, lightweight plaster containing perlite aggregate and water-repellent additives; this is the preferred replastering system where there is a likelihood of condensation
- Brunolene PS — a salt-retardant additive for use in sand/cement or sand/lime/cement replastering mixes, or with Wykamol Renovation Plaster
- Renderproof — a salt-retardant additive for use in sand/cement replastering mixes.

2 Manufacture

2.1 The products are manufactured in controlled batch-blending processes.

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 management system of the Wykamol Group Ltd has been assessed and registered as meeting the requirements of BS EN ISO 9001 : 2015 by Garek Assured (Certificate 0111/1104.02).

3 Delivery and site handling

3.1 The packaging and shelf-life of the products (when stored in cool dry conditions) are given in Table 1.

Table 1 Packaging and shelf-life

Product	Packaging	Shelf-life (months)
Wykamol Renovation Plaster	25 kg paper sacks	6
Renderproof	1, 5 and 25 litres	24
Brunolene PS	1, 5, 25 litres	12

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

3.3 All packaging bears the Certificate holder's marking and application instructions, and batch code.

Assessment and Technical Investigations

The following is a summary of the assessment and technical investigations carried out on Wykamol Replastering Specifications.

Design Considerations

4 Use

4.1 Wykamol Replastering Specifications are satisfactory for use as internal plaster applied to walls of all types of masonry where there has been rising damp and a remedial dpc treatment has been conducted.

4.2 Wykamol Renovation Plaster and the sand/cement/additive mixes are applied at a thickness of 10 mm using the normal procedures defined in BS EN 13914-2 : 2016, and finished using 2 mm of proprietary finishing plaster.

4.3 The plasters have good resistance to mechanical damage.

4.4 Normal methods for fixing and chasing can be used, but the surface should be restored using Wykamol Renovation Plaster or sand/cement/additive mix.

5 Practicability of installation

Following the installation of a dpc system, replastering is necessary to prevent damage to subsequent redecoration. To avoid split responsibility, this should be conducted by the dpc system installer or its agent.

6 Resistance to salt transfer

Where rising damp has created a high salt content in walls and an effective chemical dpc remedial treatment has been conducted, and where other sources of water ingress do not exist, Wykamol Replastering Specifications will provide an effective barrier against salt transfer.

7 Maintenance

As the products are always covered with a suitable finishing coat (see section 10.9), maintenance is not normally required but any damage can be repaired by re-applying the products.

8 Durability

The durability of Wykamol Replastering Specifications is equivalent to traditional plastering to BS 8481 : 2006 and BS EN 13914-2 : 2016.

Installation

9 General

9.1 A remedial chemical damp-proofing treatment (see the appropriate Product Sheet) is conducted in accordance with BS 6576 : 2005 and the Property Care Association *Code of Practice for Installation of Remedial Damp-Proof Courses in Masonry Walls*.

9.2 Installation of Wykamol Replastering Specifications are carried out in accordance with BS 6576 : 2005.

9.3 The standard of installation must comply with BS 8481 : 2006 and BS EN 13914-2 : 2016.

9.4 Replastering can commence after a minimum period of 14 days from installation of the remedial dpc.

9.5 If the background is impermeable and offers little suction (eg where rising damp has occurred in the mortar joints) the joints are raked out to provide a mechanical key and/or SBR Latex bonding primer is applied to the surface and the wall is replastered immediately.

10 Procedure

Wykamol Renovation Plaster

10.1 The plaster is mixed with clean water (or a gauging solution containing 30 parts of water to one part of Brunolene PS) in clean containers, by hand or mechanically, to a normal plastering consistency. Over-mixing is to be avoided, and hand-mixing is preferably conducted in a trough using a hoe or plasterer's drag.

10.2 The plaster is applied generally in accordance with BS 8481 : 2006 and BS EN 13914-2 : 2016 to achieve a thickness of between 10 and 15 mm, and the surface is lightly scratched. The plaster is applied no lower than the level of the dpc. If necessary a batten is used to achieve this.

10.3 If the maximum thickness of the required backing coat is to exceed 15 mm, a scratch or dubbing-out coat is necessary to achieve a level surface. Each coat must not exceed 15 mm and be well scratched, and allowed to dry before the application of the subsequent coat.

10.4 Normally, Wykamol Renovation Plaster sets in seven hours.

Additives

10.5 The rendering mixes described below are based on:

- Portland cement — to BS EN 197-1 : 2011
- aggregate — clean, sharp, washed sand, free of salt, and suitably graded for plastering to BS EN 13139 : 2002
- water — potable.

10.6 Renderproof is used in 3:1 sand/cement mixes using gauging water consisting of one part Renderproof to 24 parts water⁽¹⁾.

10.7 Brunolene PS is used in weaker sand/cement (6:1) or sand/lime/cement (6:1:1) mixes using gauging water consisting of one part Brunolene PS to 30 parts water⁽¹⁾.

(1) These dosing rates are appropriate for dry sand and should be adjusted if the sand is wet.

10.8 The additive mix is applied at a thickness of 10 mm. After the first set of this mix is taken up, the surface must be combed or scratched to provide a mechanical key. Where necessary, a second coat is applied, the mix proportions and additive used being at the same rate as for the first coat. This coat must also be combed or scratched to provide a key.

Finishing coats

10.9 After allowing the back coat to set and dry for at least 24 hours, the finishing plaster⁽¹⁾ is applied at a thickness of approximately 1.5 to 3 mm. In very wet conditions the drying time may be longer and the finishing plaster must not be applied until it is dry.

(1) Covered by a valid BBA Certificate.

Precautions

10.10 The following general information should also be observed:

- the amount of gauging water in the undercoats should be a minimum consistent with reasonable application
- undercoats based on gypsum must never be used in this type of application
- it is recommended that the undercoats be scrape finished to minimise the risk of cracking
- a strong mix is never applied over a weak mix or backing
- where scratch coats are to be left as a finish, a high quality wood float finish may be used. However, it is preferable to scrape the finish to a textured surface
- finishing plaster is not recommended if the surface is to be tiled.

Dry-lining methods

10.11 In certain circumstances replastering of walls following chemical dpc insertion is not feasible, eg on extremely friable wall surfaces or uneven wall profiles. Where dry lining is to be carried out this must be in accordance with the manufacturer's recommendations. Care should be taken to ensure that gypsum-based adhesives are not used in 'dot and dab' applications directly onto the wall surface. Timber used as battens must be pre-treated and all cut ends re-treated on site. Ventilation must be provided behind the system until the walls have dried out, to reduce the possibility of condensation within the void.

10.12 On walls which are persistently damp owing to the presence of high concentrations of hygroscopic salts, normal dry-lining methods are unsuitable. However, in such cases reinstatement can proceed in conjunction with a BBA-approved ventilated dry lining system, based on a high-density polyethylene (HDPE) membrane which provides a vapour impermeable surface suitable for conventional plastering and/or dry-lining techniques.

Technical Investigations

11 Tests

Tests were conducted on Wykamol Renovation Plaster, and the results assessed, to determine:

- resistance to background water
- effect of salts.

12 Investigations

A re-evaluation was made of existing data and investigations on which previous Certificates were based.

Bibliography

- BS 6576 : 2005 +A1 : 2012 *Code of practice for diagnosis of rising damp in walls of buildings and installation of chemical damp-proof courses*
- BS 8481 : 2006 *Design, preparation and application of internal gypsum, cement, cement and lime plastering systems — Specification*
- BS EN 197-1 : 2011 *Cement — Composition, specifications and conformity criteria for common cements*
- BS EN 13139 : 2002 *Aggregates for mortar*
- BS EN 13914-2 : 2016 *Design, preparation and application of external rendering and internal plastering — Design considerations and essential principles for internal plastering*
- BS EN ISO 9001 : 2015 *Quality management systems — Requirements*

Conditions of Certification

13 Conditions

13.1 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.

13.2 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.

13.3 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.

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

13.5 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.

13.6 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.