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BBA APPROVAL INSPECTION TESTING CERTIFICATION
TECHNICAL APPROVALS FOR CONSTRUCTION

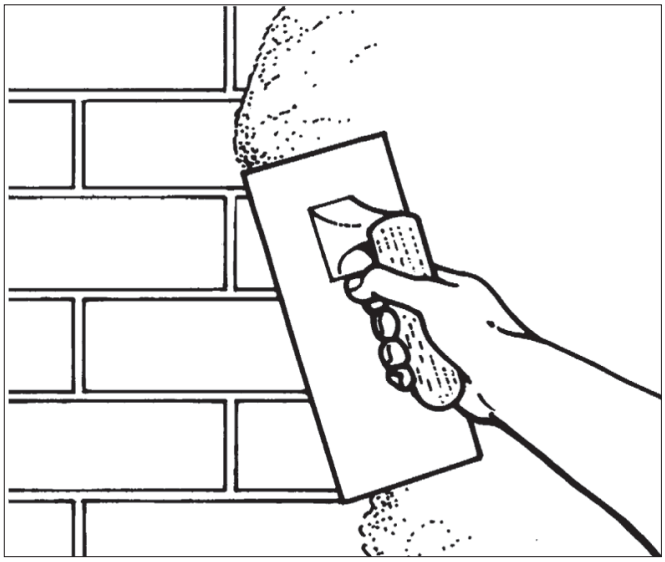
Agrément Certificate
02/3961
Product Sheet 5

WYKAMOL CHEMICAL DAMP-PROOFING SYSTEMS

WYKAMOL REPLASTERING SPECIFICATIONS

PRODUCT SCOPE AND SUMMARY OF CERTIFICATE

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



AGRÉMENT 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 5).

Durability — the products will have a durability equivalent to traditional plastering (see section 7)

The BBA has awarded this Agrément Certificate to the company named above for the products described herein. The 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: 2 June 2010
Originally certificated on 4 December 2002

Simon Wroe
Head of Approvals — Materials

Greg Cooper
Chief Executive

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

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Regulations

In the opinion of the BBA, the use of Wykamol Replastering Specifications in an existing building is not controlled by the National Building Regulations.

The Building Regulations 2000 (as amended) (England and Wales)

The Building (Scotland) Regulations 2004 (as amended)

The Building Regulations (Northern Ireland) 2000 (as amended)

Construction (Design and Management) Regulations 2007

Construction (Design and Management) Regulations (Northern Ireland) 2007

Information in this Certificate may assist the client, CDM co-ordinator, designer and contractors to address their obligations under these Regulations.

See section: 2 *Delivery and site handling* (2.1 and 2.2) of this Certificate.

Non-regulatory Information

NHBC Standards 2008

NHBC accepts the use of the Wykamol Replastering Specifications, when installed and used in accordance with this Certificate, in relation to *NHBC Standards*, Chapter 8.2 *Wall and ceiling finishes*.

Technical Specification

1 Description

1.1 Wykamol Replastering Specifications are a range of replastering products comprising:

- Wykamol Renovating Plaster — a pre-mixed, cement-based, lightweight plaster containing perlite aggregate and water-repellent additives, and is the preferred replastering system where there is a likelihood of condensation
- Integral Waterproofer No 2 and Brunopel IWP — are salt-retardant additives for use in sand-cement replastering mixes
- Brunolene PS — a salt-retardant additive for use in sand-cement or sand-lime-cement replastering mixes, or with Wykamol Renovating Plaster.

1.2 All products are manufactured by controlled batch blending processes. Regular quality control checks are conducted on the final products.

2 Delivery and site handling

2.1 The packaging and shelf-life (when stored in cool dry conditions) are given in Table 1.

Table 1 Packaging and shelf-life

Product	Packaging	Shelf-life (months)
Wykamol Renovating Plaster	25 kg paper sacks	6
Integral Waterproofer No 2	1, 5, 25 litres	24
Brunopel IWP	0.82, 5 and 25 kg	12
Brunolene PS	1, 5, 25 litres	12

2.2 Wykamol Renovating Plaster, Integral Waterproofer No 2 and Brunopel IWP are classified as 'irritant' under *The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009* (CHIP4).

2.3 Each product's packaging bears the manufacturer'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

3 General

3.1 Wykamol Replastering Specifications are satisfactory for application to walls of all types of masonry where there has been rising damp and a remedial dpc treatment has been conducted.

3.2 Wykamol Renovating 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 : 2005, and finished using 2 mm of proprietary finishing plaster.

3.3 The plasters have good resistance to mechanical damage.

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

4 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 his approved agent.

5 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 no other source of water ingress exists, Wykamol Replastering Specifications will provide an effective barrier against salt transfer.

6 Maintenance

As the product is always covered with a suitable finishing coat (see section 9.8), maintenance is not normally required but any accidental damage is repaired by re-applying the product.

7 Durability

The durability of Wykamol Replastering Specifications is equivalent to traditional plastering to BS 8481 : 2006 and BS EN 13914-2 : 2005.

Installation

8 General

8.1 Wykamol Replastering Specifications are carried out by the Certificate holder's approved contractors in accordance with BS 6576 : 2005 and by the Certificate holder's approved contractor.

8.2 A remedial chemical damp-proofing treatment (see the appropriate Product Sheet) is conducted in accordance with BS 6576 : 2005.

8.3 The standard of installation must comply with BS 8000-10 : 1995, BS 8481 : 2006 and BS EN 13914-2 : 2005.

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

8.5 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.

9 Procedure

Wykamol Renovating Plaster

9.1 The plaster is mixed with clean water (or a gauging solution containing 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.

9.2 The plaster is applied, generally in accordance with, BS 8481 : 2006 and BS EN 13914-2 : 2005 to achieve a thickness of between 10 mm 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.

9.3 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.

9.4 Normally, Wykamol Renovating Plaster sets in seven hours.

Additives

9.5 Integral Waterproofer No 2, and Brunopel IWP are used in a 3:1 sand-cement mix comprising[1]:

- Portland cement — CEM I class 52,5 N to BS EN 197-1 : 2000
- aggregate — clean, sharp, washed sand, free of salt, suitably graded for plastering to BS EN 13139 : 2002
- gauging water — potable water gauged with: one part of Integral Waterproofer No 2 to 25 parts of water or one part of Brunopel IWP to 30 parts of water.

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

9.6 Brunolene PS additive is used in weaker mixes (eg 6:1 sand-cement or 6:1:1 sand-lime-cement) or with Wykamol Renovating Plaster, gauged with potable water containing one part of Brunolene PS to 30 parts of water (assuming dry sand in 6:1 or 6:1:1 mixes).

9.7 The sand-cement-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 undercoat of sand and cement is applied; the mix proportions and additive used at the same rate as for the first coat. This coat must also be combed or scratched to provide a key.

Finishing coats

9.8 After allowing the back coat to set and dry for at least 24 hours, the finishing plaster[1] should be applied approximately 1.5 mm to 3 mm thickness. 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

9.9 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 preferred to scrape the finish to a textured surface
- finishing plaster is not recommended if the surface is to be tiled.

Dry-lining methods

9.10 In certain circumstances replastering of walls following chemical dpc insertion is not feasible, eg extremely friable wall surfaces, 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 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.

9.11 On walls which are persistently damp due 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

10 Tests

Tests were conducted to Wykamol Renovating Plaster to determine:

- resistance to background water
- effect of salts.

11 Investigations

A re-examination was made of existing data and investigations on which previous Certificates were based. The conclusions drawn from the original data remain valid.

Additional Information

The management systems of Wykamol Group have been assessed and registered as meeting the requirements of BS EN ISO 9001 : 2008 by Garek Assured (Certificate No 0111/1104.02).

Bibliography

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

BS 8000-10 : 1995 *Workmanship on building sites — Code of practice for plastering and rendering*

BS 8481 : 2006 *Design, preparation and application of internal gypsum, cement, cement and lime plastering systems — Specification*

BS EN 197-1 : 2000 *Cement — Composition, specifications and conformity criteria for common cements*

BS EN 13139 : 2002 *Aggregates for mortar*

BS EN 13914-2 : 2005 *Design, preparation and application of external rendering and internal plastering — Design considerations and essential principles for internal plastering*

BS EN ISO 9001 : 2008 *Quality management systems — Requirements*

12 Conditions

12.1 This Certificate:

- relates only to the product/system that is named and described on the front page
- is granted only to the company, firm or person named on the front page — no other company, firm or person may hold or claim any entitlement to this Certificate
- 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.

12.2 Publications and documents referred to in this Certificate are those that the BBA deems to be relevant at the date of issue or re-issue of this Certificate and include any: Act of Parliament; Statutory Instrument; Directive; Regulation; British, European or International Standard; Code of Practice; manufacturers' instructions; or any other publication or document similar or related to the aforementioned.

12.3 This Certificate will remain valid for an unlimited period provided that the product/system and the manufacture and/or fabrication including all related and relevant 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.

12.4 In granting this Certificate, the BBA is not responsible for:

- 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
- individual installations of the product/system, including the nature, design, methods and workmanship of or related to the installation
- the actual works in which the product/system is installed, used and maintained, including the nature, design, methods and workmanship of such works.

12.5 Any information relating to the manufacture, supply, installation, use and maintenance 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 and maintained. It does not purport in any way to restate the requirements of the Health & Safety at Work etc Act 1974, or of any other statutory, common law or other duty which may exist at the date 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. In granting this Certificate, the BBA does not accept responsibility to any person or body for any loss or damage, including personal injury, arising as a direct or indirect result of the manufacture, supply, installation, use and maintenance of this product/system.

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