

Triton Chemical Manufacturing Co Ltd

Units 3-5 Crayford Commercial Centre
Greyhound Way
Crayford
Kent DA1 4HF
Tel: 01322 318830 Fax: 01322 524017
e-mail: info@tritonsystems.co.uk
website: www.tritonsystems.co.uk



Agrément Certificate
95/3210
Product Sheet 4

TRITON CHEMICAL DAMP-PROOFING SYSTEMS

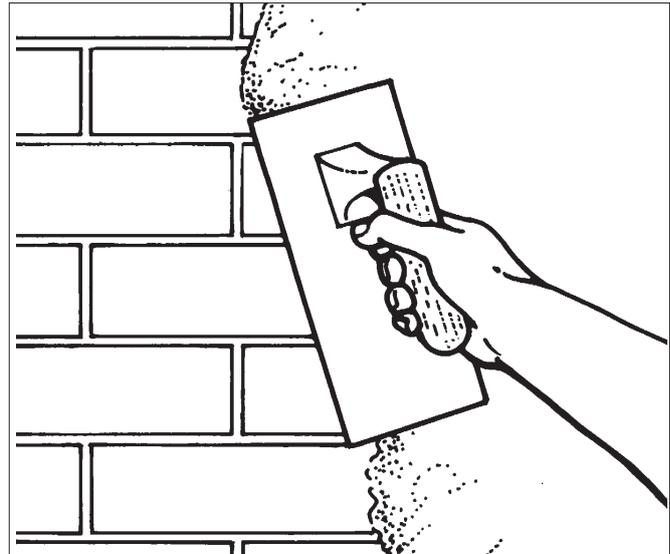
TRIMIX REPLASTERING SPECIFICATION

This Agrément Certificate Product Sheet⁽¹⁾ relates to the Trimix Replastering Specification 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 product will provide an effective barrier against salt transfer (see section 6).

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

The BBA has awarded this Certificate to the company named above for the product described herein. This product has been assessed by the BBA as being fit for its intended use provided it is 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 'Simon Wroe'.

Date of First issue: 28 March 2014

Originally certified on 22 November 1995

Simon Wroe
Head of Approvals — Materials

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

Claire Curtis-Thomas
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

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.

British Board of Agrément
Bucknalls Lane
Watford
Herts WD25 9BA

tel: 01923 665300
fax: 01923 665301
e-mail: mail@bba.star.co.uk
website: www.bbacerts.co.uk

©2014

Regulations

In the opinion of the BBA, the use Trimix Replastering Specification in an existing building is not subject to the National Building Regulations.



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



The Building (Scotland) Regulations 2004 (as amended)



The Building Regulations (Northern Ireland) 2012

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

Additional Information

NHBC Standards 2014

NHBC accepts the use of the Trimix Replastering Specification provided it is installed, used and maintained in accordance with this Certificate, in relation to *NHBC Standards, Chapter 8.2 Wall and ceiling finishes.*

Technical Specification

1 Description

Trimix Replastering Specification is a replastering product for use on internal walls, comprising Trimix 1, a salt-retardant additive for use in sand/cement or sand/lime/cement replastering mixes.

2 Manufacture

2.1 The product is manufactured in a controlled batch blending process.

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 Triton Chemical Manufacturing Co Ltd has been assessed and registered as meeting the requirements of BS EN ISO 9001 : 2008 by BSI (Certificate FM25396).

3 Delivery and site handling

3.1 Trimix 1 is supplied in 5 litre and 25 litre containers.

3.2 The product's 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 Trimix Replastering Specification.

Design Considerations

4 Use

4.1 Trimix Replastering Specification is 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 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.

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 a 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 approved 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, the Trimix Replastering Specification will provide an effective barrier against salt transfer.

7 Maintenance

As the product is always covered with a suitable finishing coat (see section 10.13), maintenance is not normally required, but any damage can be repaired by re-applying the product.

8 Durability

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

Installation

9 General

9.1 Trimix Replastering Specification is carried out by the Certificate holder's approved contractors in accordance with BS 6576 : 2005.

9.2 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 the installation of Remedial Damp-Proof courses in Masonry Walls* by the Certificate holder's approved contractors.

9.3 The standard of installation must comply with BS 8481 : 2006 and BS EN 13914-2 : 2005.

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

10.1 All plaster is removed to a height of 450 mm above the highest level of dampness or salt. A moisture meter should be used to detect the affected areas.

10.2 Existing skirtings, architraves and other surface timbers are removed.

10.3 Brickwork is stripped bare and mortar joints are raked out to provide a key

10.4 Timber fixing grounds and any built-in timbers are removed. Plastic fixings should be used where possible and new timber fixings pretreated.

10.5 After a good key for replastering has been ensured, the surface is dubbed out where necessary, using 1:3 cement/sharp sand mix.

Replastering

10.6 The measurements given in section 10.7 to 10.13 should be measured in a gauging box.

First Coat

10.7 Renovating mortar is mixed using one part ordinary Portland cement to BS 12:1996, to 3 parts washed sharp sand to BS 1199:1976 or BS 882:1992.

10.8 The mix is gauged with a 1:24 solution of Trimix 1 (from concentrate) and clean, potable water. It is important that the minimum amount of water is used compatible with workability.

10.9 The first coat is applied at a minimum thickness of 10 mm.

Second Coat

10.10 The second coat is mixed using 1 part Portland cement to 4 parts washed sharp sand (materials as defined in section 10.7).

10.11 The gauging water should not contain Trimix 1. The minimum amount of water should be used to produce a compatible mix for workability. If necessary, a workability aid may be used.

10.12 The second coat is applied at a minimum thickness of 10 mm after the first coat has set but before it has fully cured. If the first coat is allowed to cure and dry, the surface will become water repellent and will not bond to the second coat.

Finishing coat

10.13 The plaster undercoat is allowed to fully cure and either a board finish or similar proprietary finishing plaster is applied.

Dry-lining methods

10.14 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.

10.15 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.

Redecoration

10.16 Plaster and renderings should be allowed to dry out thoroughly before any redecoration is carried out, after which one coat of trade coat emulsion may be used. Permanent redecoration must not be carried out for at least 12 months (longer on thicker walls) until such time as all residual moisture has dried out from the walls. The use of oil-based paints and other impermeable coatings and coverings should be avoided.

Technical Investigations

11 Investigations

An assessment was made of Trimix Replastering Specification to determine:

- resistance to background water
- effect of salts.

Bibliography

BS 6576 : 2005 *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 : 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*

Property Care Association *Code of Practice for the Installation of Remedial Damp-proof Courses in Masonry Walls*

12 Conditions

12.1 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.

12.2 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.

12.3 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.

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

12.5 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.

12.6 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.