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Agrément Certificate

97/3363

Product Sheet 8

SAFEGUARD DAMP-PROOF SYSTEMS

DRYZONE EXPRESS REPLASTERING SYSTEM

This Agrément Certificate Product Sheet⁽¹⁾ relates to the Dryzone Express Replastering System for use on existing internal walls as an effective barrier against salt and moisture transfer following injection/insertion of a chemical damp-proof course (dpc) system. The system can also be used on damp and/or salt-contaminated chimney breast walls.

(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

Bond strength — the system has satisfactory adhesion to dry, damp and salt-laden masonry substrates (see section 6).

Resistance to salt transfer — the system will provide an effective barrier against salt transfer (see section 7).

Resistance to moisture transfer — the system will provide an effective barrier against moisture transfer (see section 8).

Durability — the system gives a durable band on both damp and dry walls, equivalent to that of traditional dot and dab applied to a dry wall (see section 10).



The BBA has awarded this Certificate to the company named above for the system described herein. This system 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

Date of First issue: 19 November 2014

Simon Wroe
Head of Approvals — Materials

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.

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Regulations

In the opinion of the BBA, the use of the Dryzone Express Replastering System 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* (3.3) of this Certificate.

Additional Information

NHBC Standards 2014

NHBC accepts the use of the Dryzone Express Replastering System, provided it is installed, used and maintained in accordance with this Certificate, in relation to *NHBC Standards Section 5.1 Substructure and ground floors*.

Technical Specification

1 Description

1.1 The Dryzone Express Replastering System consists of:

- Dryshield Cream — a breathable, salt-resistant, water-repellent cream that acts as a primer for Drygrip Adhesive. The product is applied in a single coat using a large, soft brush
- Drygrip Adhesive — a salt- and damp-resistant adhesive for fixing plasterboard/PIR foam insulated dry-lining boards directly to masonry surfaces. The product is applied as small (golf-ball-sized) dabs.

1.2 Ancillary items for use with the system and within the scope of this Certificate include:

- gypsum plasterboard manufactured to BS EN 520 : 2004 — standard plasterboard
- PIR foam insulated dry-lining boards for fix and dab applications

1.3 Ancillary items for use with the system but which are outside the scope of the Certificate include:

- Dryzone Positioning Plugs — used as secondary plasterboard fixings to ensure an even, flat surface across all boards
- DryBase Liquid Applied DPM — used below the dpc injection/insertion points to form a surface barrier against damp.

2 Manufacture

2.1 The system components are manufactured by controlled batch-blending processes. Quality control is exercised over raw materials during manufacture and on the final product.

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 Safeguard Europe Ltd has been assessed and registered as meeting the requirements of BS EN ISO 9001 : 2008 by BSI Certificate FM01937.

3 Delivery and site handling

3.1 The packaging, shelf-life and storage requirements are given in Table 1.

Table 1 Packaging, shelf-life and storage requirements

Product	Packaging	Shelf-life and storage requirements
Dryshield Cream	3, 5 and 20 litre pails	12 months — stored in a cool, dry place and protected from frost
Drygrip Adhesive	310 ml and 600 ml mastic cartridges	12 months — stored in a cool, dry place and protected from frost

3.2 Gypsum plasterboards and PIR foam insulated dry-lining boards are available in a range of sizes to suit the application.

3.3 Dryshield Cream and Drygrip Adhesive are classified as 'irritant' under *The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (CHIP4)/Classification, Labelling and Packaging of Substances and Mixtures (CLP Regulation) 2009*. Please refer to the products' Material Safety Data Sheets for further information.

3.4 The components' packaging bears the Certificate holder's marking, application instructions and manufacturing batch code. The BBA logo and Certificate number is displayed on the product labels.

Assessment and Technical Investigations

The following is a summary of the assessment and technical investigations carried out on the Dryzone Express Replastering System.

Design Considerations

4 General

4.1 The Dryzone Express Replastering System is satisfactory for application to walls of all types of masonry where there has been rising damp and where remedial dpc treatment has been conducted in accordance with BS 6576 : 2005.

4.2 The system is also satisfactory for application to damp and/or salt-contaminated chimney breast walls.

4.3 To avoid split responsibility, replastering (where necessary) should be conducted by the dpc system installer or his approved agent.

5 Practicability of installation

The system is designed to be installed by experienced damp-proofing or plastering contractors.

6 Bond strength

The adhesion strength of the system is effective in bonding the plaster board/PIR foam insulated dry-lining board directly to dry, damp and/or salt-contaminated masonry surfaces.

7 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, the system will provide an effective barrier against salt transfer.

8 Resistance to moisture transfer

Where walls present with rising damp and where an effective remedial chemical dpc treatment has been conducted, and no other source of water ingress exists, the system will provide an effective barrier against moisture transfer.

9 Maintenance

The system has suitable durability (see section 10), therefore maintenance is not required.

10 Durability

The durability of the system is equivalent to that of traditional dot and dab plastering techniques applied to dry, uncontaminated walls.

Installation

11 General

11.1 The Dryzone Express Replastering System is applied to a wall after Dryzone, DryRod or Dampcheck Damp-Proofing Rods (see Product Sheets 3, 6 and 7 respectively of this Certificate) have been used to treat rising damp in accordance with BS 6576 : 2005.

11.2 The system can also be applied to damp and/or salt-contaminated chimney breast walls.

11.3 Although it is preferable for the exposed damp wall to dry out as long as possible, Dryzone Express Replastering System can be installed immediately following treatment with the dpc systems and products named above.

12 Procedure

12.1 All contaminated plaster is removed, exposing the underlying masonry.

12.2 When installing PIR foam insulated dry-lining boards, all plaster on the wall face being treated is removed.

12.3 All loose material, including any surface salt deposits, is removed by brushing clean.

12.4 The remedial damp-proof treatment (see section 11.1) is carried out, in accordance with BS 6756 : 2005.

12.5 Dryshield Cream is applied to the wall in a single coat (coverage 1 litre per 5 m²) using a large, soft brush. Holes and cracks must be filled with the cream and all areas coated evenly. The cream must be left to be absorbed into the substrate for at least 30 minutes, but no longer than 24 hours.

12.6 Plasterboard or PIR foam insulated dry-lining boards are cut to size, inclusive of cut-outs for light fittings and sockets, allowing a 12 mm gap between the board base and the floor.

12.7 Drygrip Adhesive is applied as small dabs onto the plasterboard/PIR foam insulated dry-lining board at a rate of 1–2 tubes per standard sized plasterboard, at approximately 30–40 cm spacings.

12.8 The plasterboard/PIR foam insulated dry-lining board is positioned on the wall, and pressure is evenly applied until a 10 mm air gap between the board and the wall is created.

12.9 When installing PIR foam insulated dry-lining boards, consideration must be given to condensation in accordance with BS 5250 : 2011. For any further technical guidance, advice should be sought from the Certificate holder.

12.10 The boards are positioned using Dryzone Positioning Plugs. These plugs are used to align boards, ensuring an even, flat surface across all boards, but are not weight-bearing.

Finishing — skim coating

12.11 Standard jointing tape is applied to cover joints between boards.

12.12 The final skim coat is applied, using a suitable gypsum-based skim plaster. The standard of work must comply with BS 8000-10 : 1995, BS 8481 : 2006 and BS EN 13914-2 : 2005.

Finishing — dry jointing

12.13 Boards are taped and jointed using a dry jointing method

12.14 A coat of plasterboard sealer is applied. Once this has dried, painting can be carried out.

Technical Investigations

13 Tests

Tests were carried out on Dryzone Express Replastering System and the results assessed to determine:

- effectiveness against salt transfer
- effectiveness against moisture transfer
- adhesive bond strength.

14 Investigations

The manufacturing process was evaluated, including the methods adopted for quality control, and details were obtained of the quality and composition of the materials used.

Bibliography

BS 5250 : 2011 *Code of practice for control of condensation in buildings*

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 520 : 2004 *Gypsum plasterboards — Definitions, requirements and test methods*

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 : 2000 *Quality management systems*

15 Conditions

15.1 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.

15.2 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.

15.3 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.

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

15.5 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.

15.6 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.