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### Agrément Certificate

15/5198

Product Sheet 1 Issue 4

## SAFEGUARD MASONRY PROTECTION SYSTEMS

### STORMDRY MASONRY PROTECTION CREAM

This Agrément Certificate Product Sheet<sup>(1)</sup> relates to Stormdry<sup>(2)</sup> Masonry Protection Cream, a breathable remedial masonry water-repellent barrier, for use on domestic and non-domestic buildings on brick, mortar, sandstone and concrete substrates.

(1) Hereinafter referred to as 'Certificate'.

(2) Stormdry is a registered trademark.

#### The assessment includes

##### Product factors:

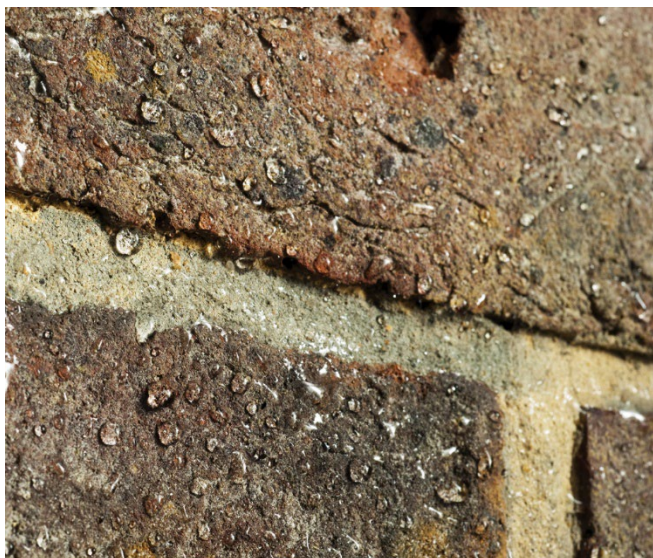
- compliance with Building Regulations
- compliance with additional regulatory or non-regulatory information where applicable
- evaluation against technical specifications
- assessment criteria and technical investigations
- uses and design considerations

##### 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 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

Date of Fourth issue: 9 May 2024

Originally certified on 2 March 2015

Hardy Giesler  
Chief Executive Officer

*This BBA Agrément Certificate is issued under the BBA's Inspection Body accreditation to ISO/IEC 17020. Sections marked with † are not issued under accreditation.*

*The BBA is a UKAS accredited Inspection Body (No. 4345), Certification Body (No. 0113) and Testing Laboratory (No. 0357).*

*Readers MUST check that this is the latest issue of this Agrément Certificate by either referring to the BBA website or contacting the BBA directly.*

*The Certificate should be read in full as it may be misleading to read clauses in isolation.*

*Any photographs are for illustrative purposes only, do not constitute advice and should not be relied upon.*

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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 Stormdry Masonry Protection Cream, 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)

<b>Requirement:</b>	<b>B4(1)</b>	<b>External fire spread</b>
Comment:		The product may be restricted by this Requirement. See section 2 of this Certificate.
<b>Requirement:</b>	<b>C2(b)(c)</b>	<b>Resistance to moisture</b>
Comment:		The product can contribute to satisfying this Requirement. See section 3 of this Certificate.
<b>Requirement:</b>	<b>7(1)</b>	<b>Materials and workmanship</b>
Comment:		The product is acceptable. See sections 8 and 9 of this Certificate.
<b>Regulation:</b>	<b>7(2)</b>	<b>Materials and workmanship</b>
Comment:		The product may be restricted under this Regulation. See section 2 of this Certificate.



#### The Building (Scotland) Regulations 2004 (as amended)

<b>Regulation:</b>	<b>8(1)</b>	<b>Fitness and durability of materials and workmanship</b>
Comment:		The use of the product satisfies the requirements of this Regulation. See sections 8 and 9 of this Certificate.
<b>Regulation:</b>	<b>8(3)</b>	<b>Fitness and durability of materials and workmanship</b>
Comment:		The product may be restricted by this Regulation. See section 2 of this Certificate.
<b>Regulation:</b>	<b>9</b>	<b>Building standards – construction</b>
Standard:	<b>2.6</b>	<b>Spread to neighbouring building</b>
Comment:		The product may be restricted by this Standard. See section 2 of this Certificate.
Standard:	<b>2.7</b>	<b>Spread on external walls</b>
Comment:		The product may be restricted by this Standard. See section 2 of this Certificate.
Standard:	<b>3.10</b>	<b>Precipitation</b>
Comment:		The product can contribute to satisfying the requirements of this Standard, with reference to clause 3.10.1 <sup>(1)(2)</sup> . See section 3 of this Certificate.
Standard:	<b>3.15</b>	<b>Condensation</b>
Comment:		The product can contribute to satisfying this Standard, with reference to clauses 3.15.1 <sup>(1)(2)</sup> and 3.15.5 <sup>(1)(2)</sup> . See section 3 of this Certificate.
<b>Regulation:</b>	<b>12</b>	<b>Building standards – conversion</b>
Comment:		All comments given for the product under Regulation 9, Standards 1 to 6, also apply to this Regulation, with reference to clause 0.12.1 <sup>(1)(2)</sup> and Schedule 6 <sup>(1)(2)</sup>

(1) Technical Handbook (Domestic).

(2) Technical Handbook (Non-Domestic).



## The Building Regulations (Northern Ireland) 2012 (as amended)

<b>Regulation:</b>	<b>23(1)(a)(i)</b>	<b>Fitness of materials and workmanship</b>
<b>Comment:</b>	<b>(iii)(b)(i)</b>	The product is acceptable. See sections 8 and 9 of this Certificate.
<b>Regulation:</b>	<b>23(2)</b>	<b>Fitness of materials and workmanship</b>
<b>Comment:</b>		The product may be restricted by this Regulation. See section 2 of this Certificate.
<b>Regulation:</b>	<b>28(b)</b>	<b>Resistance to moisture and weather</b>
<b>Comment:</b>		The product can contribute to satisfying the requirements of this Regulation. See section 3 of this Certificate.
<b>Regulation</b>	<b>29</b>	<b>Condensation</b>
<b>Comment:</b>		The product can contribute to satisfying this Regulation. See section 3 of this Certificate.
<b>Regulation:</b>	<b>36(a)</b>	<b>External fire spread</b>
<b>Comment:</b>		The product may be restricted by this Regulation. See section 2 of this Certificate.

### Fulfilment of Requirements

The BBA has judged Stormdry Masonry Protection Cream to be satisfactory for use as described in this Certificate. The product has been assessed as a breathable remedial masonry water-repellent barrier, for use on domestic and non-domestic buildings on brick, mortar, sandstone and concrete substrates.

### ASSESSMENT

#### Product description and intended use

The Certificate holder provided the following description for the product under assessment. Stormdry Masonry Protection Cream is an emulsion cream, applied by brush, roller or spray to masonry surfaces to form a colourless and breathable water-repellent barrier.

#### Ancillary Items

The following ancillary items have been assessed with the product:

- Stormdry Repointing Additive No 1
- Stormdry Repointing Additive No 2.

Stormdry Repointing Additives No 1 and No 2 are concentrates that are diluted with water and used as gauging solutions for sand/cement and sand/lime repointing mixtures to provide increased water repellency.

#### Applications

The product is intended for application to unpainted walls consisting of brick, mortar (with or without Stormdry Repointing Additive No 1 or No 2), sandstone and concrete.

### Product assessment – key factors

The product was 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

Not applicable.

## 2 Safety in case of fire

Data were assessed for the following characteristics.

### 2.1 Reaction to fire

2.1.1 The product achieved the reaction to fire classification given in Table 1.

*Table 1 Reaction to fire*

Product assessed	Assessment method	Requirement	Result
Stormdry Masonry Protection Cream applied at a rate of 200 g·m <sup>-2</sup> or less, on a substrate with a minimum thickness of 6 mm, a minimum density of 1350 kg·m <sup>-3</sup> and a reaction to fire classification of A2-s1, d0 or better	BS EN 13501-1 : 2018	Value achieved	A1 <sup>(1)</sup>

(1) Classification report WF 420786 issue 1 issued by Warringtonfire. A copy of the report is available from the Certificate holder.

2.1.2 The use of the product under the specific circumstances described in Table 1 is unrestricted in terms of height and proximity to a relevant boundary by the documents supporting the national Building Regulations.

2.1.3 This performance may not be achieved on other substrates or at increased application rates. The classification of the product under such circumstances, and its permissible areas of application, must be determined in accordance with the documents supporting the national Building Regulations.

## 3 Hygiene, health and the environment

Data were assessed for the following characteristics.

### 3.1 Water absorption

3.1.1 Results of water absorption tests are given in Table 2.

*Table 2 Results of water absorption tests*

Product assessed	Assessment method	Requirement	Result
Stormdry Masonry Protection Cream	Water absorption coefficient by partial immersion to BS EN ISO 15148 : 2002	Value achieved	
	Reduction in water absorption coefficient (%) for various substrates		
	Brick		99
	Beestone		83
	Concrete		98
	Mortar		98
	Mortar with Repointing Additive No 1		97
	Mortar with Repointing Additive No 2		92

3.1.2 On the basis of data assessed, the product is satisfactory in reducing the water absorbency of the substrate.

### 3.2 Water vapour transmission

3.2.1 Results of water vapour transmission tests are given in Table 3.

*Table 3 Results of water vapour transmission tests*

Product assessed	Assessment method	Requirement	Result
Stormdry Masonry Protection Cream	Water vapour transmission to BS EN ISO 12572 : 2001 on a brick substrate	Value achieved	
	Control		S <sub>d</sub> = 0.46
	Coated		S <sub>d</sub> = 0.47

3.2.2 On the basis of data assessed, the product does not significantly affect the resistance to water vapour diffusion and therefore will not increase the risk of condensation.

## 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 this product were assessed.

8.2 Specific test data were assessed and the results are given in Table 4.

*Table 4 Results of durability tests*

Product assessed	Assessment method	Requirement	Result
Stormdry Masonry Protection Cream	Water absorption coefficient by partial immersion to BS EN ISO 15148 : 2002 on a brick substrate	Value achieved	
	Freeze-thaw exposure – each cycle consisted of exposure to -5°C for 8 hours followed by exposure to 23°C and 50% RH for 16 hours		
	0 cycles		46.8 g·(m <sup>2</sup> ·h <sup>0.5</sup> ) <sup>-1</sup>
	30 cycles		61.7 g·(m <sup>2</sup> ·h <sup>0.5</sup> ) <sup>-1</sup>
	60 cycles		51.6 g·(m <sup>2</sup> ·h <sup>0.5</sup> ) <sup>-1</sup>
	75 cycles		45.8 g·(m <sup>2</sup> ·h <sup>0.5</sup> ) <sup>-1</sup>
	UV exposure to BS EN ISO 4892-3 : 2000		
	0 hours		26.2 g·(m <sup>2</sup> ·h <sup>0.5</sup> ) <sup>-1</sup>
	2000 hours		28.0 g·(m <sup>2</sup> ·h <sup>0.5</sup> ) <sup>-1</sup>
	2500 hours		34.0 g·(m <sup>2</sup> ·h <sup>0.5</sup> ) <sup>-1</sup>
Stormdry Masonry Protection Cream	Hygrothermal test to ETAG 034 : 2012 on a brick wall substrate	No water penetration	
	Control		Water penetration
	Coated		Pass

8.2.1 On the basis of data assessed, the product is resistant to the effects of freeze-thaw cycling and UV radiation.

### 8.3 Service life

Under normal service conditions, the product will remain effective as a water repellent for a period of 25 years, provided it is designed, installed and maintained in accordance with this Certificate and the Certificate holder's instructions.

## PROCESS ASSESSMENT

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

### 9 Design, installation, workmanship and maintenance

#### 9.1 Installation

9.1.1 Installation instructions provided by the Certificate holder were assessed and judged to be appropriate and adequate.

9.1.2 Installation must be carried out in accordance with this Certificate and the Certificate holder's instructions.

9.1.3 Stormdry Masonry Protection Cream must only be applied to dry, porous surfaces. The product must not be applied over sealed or painted surfaces and is intended for above ground applications only.

9.1.4 The product must only be applied when no rain is forecast for 24 hours following the application.

9.1.5 The product appears white on first application, which fades over 15 to 20 minutes as the product starts to penetrate the masonry.

9.1.6 It may take up to two months for the full 'beading' effect to appear when rainfall hits the treated wall.

9.1.7 Cracks in any brick or stonework must be filled, using a suitable sand/lime or sand/cement mortar incorporating Stormdry Repointing Additive No 1 or No 2.

9.1.8 Any loose mortar, dust or debris must be removed using a masonry brush. Dirty surfaces must be cleaned before application of the product, to the recommendations given in BS 8221-1 : 2012.

9.1.9 Biological growth such as moss, algae or lichen must be removed using a suitable biocide in accordance with the manufacturer's instructions.

9.1.10 Stormdry Masonry Protection Cream is brush-applied at a coverage rate of approximately 1 litre per 5 m<sup>2</sup> (depending on the roughness and absorbency of the surface) to details such as window reveals.

9.1.11 For larger areas, the product is applied using a roller or electric roller, or by airless spray. Advice from the Certificate holder may be sought if required, but such advice is outside the scope of this Certificate.

9.1.12 Any difficult-to-apply areas such as voids in brickwork or deep mortar beds must be treated using a brush.

#### 9.3 Workmanship

Practicability of installation was assessed by the BBA, on the basis of the Certificate holder's information. To achieve the performance described in this Certificate, installation of the product must be carried out by a competent general builder, or a contractor, experienced with this type of product.

#### 9.4 Maintenance and repair

The product is absorbed by the masonry substrate and does not require maintenance.

### 10 Manufacture

10.1 The production processes for the product 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 product is delivered to site in packaging bearing the product name, Certificate holder's name, batch number, health and safety information and pack size.

11.2 The products are supplied in the pack sizes given in Table 5.

*Table 5 Pack sizes and shelf-life*

Product	Pack size
Stormdry Masonry Protection Cream <sup>(1)</sup>	1, 3, 5 and 20 litres
Stormdry Repointing Additive No 1	500 ml, 5 litres
Stormdry Repointing Additive No 2	500 ml, 5 litres
(1) When requested, 200-litre containers can also be supplied.	

11.3 Delivery and site handling must be performed in accordance with the Certificate holder's instructions and this Certificate, including:

11.3.1 The product must be stored in cool, dry conditions and protected from frost.

## ANNEX A – SUPPLEMENTARY INFORMATION †

Supporting information in this Annex is relevant to the product 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 product 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).

### 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 and ISO 14001 :2015 by BSI (Certificates FM 01937 and EMS 539224, respectively).



## Bibliography

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

BS 8221-1 : 2012 *Code of practice for cleaning and surface repair of buildings – Cleaning of natural stone, brick, terracotta and concrete*

BS EN ISO 4892-3 : 2000 *Plastics. Methods of exposure to laboratory light sources – Fluorescent UV lamps*

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

BS EN ISO 12572 : 2001 *Hygrothermal performance of building materials and products – Determination of water vapour transmission properties*

BS EN ISO 14001 : 2015 *Environmental management systems – Requirements with guidance for use*

BS EN ISO 15148 : 2002 *Hygrothermal performance of building materials and products – Determination of water absorption coefficient by partial immersion*

ETAG 034 : 2012 *Cladding Kits*

## 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
- 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.

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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