



# Electronic Copy

## Alumasc Exterior Building Products Ltd

White House Works  
 Bold Road  
 Sutton  
 St Helens  
 Merseyside WA9 4JG  
 Tel: 01744 648400 Fax: 01744 648401  
 e-mail: info@alumasc-exteriors.co.uk  
 website: www.alumasc-exteriors.co.uk

CI/SfB



**Agreement  
 Certificate  
 No 88/2090**  
*Third issue\**

Designated by Government  
 to issue  
 European Technical  
 Approvals

### MRS 6 MASONRY COATING

Enduit de surface  
 Oberflächenbeschichtung

## Product




• THIS CERTIFICATE RELATES TO MRS 6 MASONRY COATING.

- The product can be applied by roller, brush or spray and is suitable for internal or external use.
- The product is suitable for application to a wide range of materials. See section 7 of this Certificate.

## Regulations

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

 The Secretary of State has agreed with the British Board of Agrément the aspects of performance to be used by the BBA in assessing the compliance of masonry paints with the Building Regulations. In the opinion of the BBA, MRS 6 Masonry Coating, if used in accordance with the provisions of this Certificate, will meet or contribute to meeting the relevant requirements.

Requirement: <b>B2(1)</b>	Internal fire spread (linings)
Requirement: <b>B4(1)</b>	External fire spread
Comment:	The product applied to non-combustible substrates has a Class 0 surface and its use on these substrates is unrestricted by these Requirements. See sections 9.1 and 9.2 of this Certificate.
Requirement: <b>Regulation 7</b>	Materials and workmanship
Comment:	The product is an acceptable material. See section 11.1 of this Certificate.

Readers are advised to check the validity of this Certificate by either referring to the BBA's website ([www.bbacerts.co.uk](http://www.bbacerts.co.uk)) or contacting the BBA direct (Telephone Hotline 01923 665400).

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## 2 The Building Standards (Scotland) Regulations 1990 (as amended)



In the opinion of the BBA, MRS 6 Masonry Coating, if used in accordance with the provisions of this Certificate, will satisfy or contribute to satisfying the various Regulations and related Technical Standards as listed below.

Regulation:	10	Fitness of materials and workmanship
Standard:	B2.1	Selection and use of materials, fittings, components, and workmanship
Comment:		The product is acceptable. See the <i>Installation</i> part of this Certificate.
Standard:	B2.2	Selection and use of materials, fittings, components, and workmanship
Comment:		The product is acceptable. See section 11.1 of this Certificate.
Regulation:	12	Structural fire precautions
Standard:	D7.1	Fire spread on internal linings — Principles
Standard:	D10.1	Fire spread on an external wall
Comment:		The product applied to non-combustible substrates has a 'low risk' surface as defined in Table 3 to (D1.3) of the Technical Standards and its use is unrestricted under this Regulation and Standards. See sections 9.1 and 9.2 of this Certificate.

## 3 The Building Regulations (Northern Ireland) 2000



In the opinion of the BBA, MRS 6 Masonry Coating, if used in accordance with the provisions of this Certificate, will satisfy or contribute to satisfying the various Building Regulations as listed below.

Regulation:	B2	Fitness of materials and workmanship
Comment:		The product is an acceptable material. See section 11.1 of this Certificate.
Regulation:	E3	Internal fire spread — Linings
Regulation:	E5	External fire spread
Comment:		The product applied to non-combustible substrates has a Class 0 surface as defined in Technical Booklet E, Section 2.4 and its use on these substrates is unrestricted under these Regulations. See sections 9.1 and 9.2 of this Certificate.

## 4 Construction (Design and Management) Regulations 1994 (as amended) Construction (Design and Management) Regulations (Northern Ireland) 1995 (as amended)

Information in this Certificate may assist the client, planning supervisor, designer and contractors to address their obligations under these Regulations.

See sections: 5 *Description* (5.2), 6 *Delivery and site handling* (6.1) and 10 *Maintenance*.

## Technical Specification

### 5 Description

5.1 MRS 6 Masonry Coating is for internal or external use on the substrates defined in section 7. It is available in a range of colours, largely to BS 4800 : 1989, details of which are available from the Certificate holder.

5.2 The product is based on a synthetic resin emulsion and contains pigments, an algicide, a fungicide and other additives.

5.3 The product is manufactured by a batch-blending process. Quality control is exercised on the basic raw materials, during the production process, and on the final product.

5.4 MR Fungicidal Wash is used to prepare weathered surfaces.

5.5 MR Acrylic Stabiliser is used during surface preparation to stabilise friable, absorbent or chalking surfaces.

### 6 Delivery and site handling

6.1 The product is supplied in 10 litre plastic buckets bearing the marketing company's name, batch code, colour reference code and the BBA identification mark incorporating the number of this Certificate. Containers should be protected from frost during transit, and when stored on site.

6.2 The product has a shelf-life of at least six months. No degradation of the material occurs but there may be some settling. Partly-used containers may be re-stored provided they are airtight.

## Design Data

### 7 General

7.1 MRS 6 Masonry Coating is satisfactory for application by roller, brush or spray to walls, ceilings and soffits of the following materials:

- (a) in-situ or precast concrete (dense and lightweight)
- (b) concrete blockwork (dense and lightweight)
- (c) brickwork (stock, facing and calcium silicate bricks)<sup>(1)</sup>
- (d) renderings (MRS Polymer Cement Render, sand/cement and sand/lime/cement)
- (e) calcium silicate or fibre-reinforced cement sheets or internal insulation boards
- (f) surfaces (a) to (e) treated with MR Acrylic Stabiliser
- (g) surfaces painted with gloss, oil, emulsion, or cement paints (see also section 13.4).

(1) In new construction, the brick manufacturer's recommendations on overcoating should be followed.

7.2 The assessment on walls covers the face of the wall above dpc level, and excludes horizontal

surfaces such as ledges, sills and copings. Parapet walls must have effective dpc's in the correct position.


7.3 The effect of pretreatments or an existing coating on the surfaces' fire properties is defined in section 9.

### 8 Permeability

8.1 When tested by dynamic sweep gas to BS 7406 : 1991 (ISO 9932 : 1990) a sample of the product, on fibre-reinforced cement, gave a water vapour resistance of  $0.62 \text{ MNsg}^{-1}$ .

8.2 The coating tends to shed water and considerably reduces the amount of water that can be absorbed by the substrate during rain.

### 9 Properties in relation to fire

 9.1 The product without pretreatment to the non-combustible substrates listed in section 7.1(a) to (e) has a Class 0 surface or 'low risk' surface.

9.2 The product applied over MR Acrylic Stabiliser on the non-combustible substrates listed in section 7.1(a) to (e) has a Class 0 surface or 'low risk' surface.


9.3 This performance may not be achieved if the product is applied over a previous paint coating.

### 10 Maintenance

10.1 The coating will withstand frequent washing without deterioration. A soft bristle brush should be used.

10.2 For re-coating, it is normally neither necessary nor possible to remove the existing coating completely. The surface should be prepared by washing or brushing, and may be re-coated with MRS 6 Masonry Coating. Redecoration with oil, gloss or cement paints is not recommended.

### 11 Durability

 11.1 The coating, when correctly applied in two coats, each of  $2 \text{ m}^2\text{F}^{-1}$  to  $4 \text{ m}^2\text{F}^{-1}$ , to strong, durable substrates as listed in section 7, will have good colour stability and will perform satisfactorily for up to 15 years.

11.2 In industrial atmospheres the coating may become dirty and, to maintain its appearance, it may be necessary to clean or re-coat more frequently.

11.3 There will be a gradual change in colour which will not be excessive, but the coating will be discoloured by water runs and care must be taken to ensure that the normal architectural details for shedding water are present and functioning.

11.4 The coating may be abraded, particularly at ground-floor level, by carelessness in use, eg if bicycles or gardening tools are repeatedly leant against it.

### 12 General

Application of MRS 6 Masonry Coating should be carried out generally in accordance with the relevant clauses of BS 6150 : 1991 and BS 8000-12 : 1989.

### 13 Preparation

13.1 The substrates listed in section 7 should be sound, free from dirt and grease and reasonably dry. Joints in new brickwork and blockwork should be finished flush. Mortar joints in existing work should be repointed if necessary, and allowed to cure.

13.2 The product can bridge hairline cracks in the substrate but larger cracks should be filled and patched in accordance with the Certificate holder's instructions.

13.3 Any organic growth should be removed mechanically from old surfaces, and MR Fungicidal Wash applied in accordance with the Certificate holder's instructions and allowed to dry. Any remaining loose material should be removed using a stiff brush.

13.4 A previously painted surface should be abraded if necessary to provide a key for the MRS 6 Masonry Coating.

13.5 If the substrate is chalking, absorbent, friable, or has been decorated previously, any loose material should be removed with a stiff brush. A priming coat of MR Acrylic Stabiliser should be applied in accordance with the Certificate holder's instructions and at least 16 hours allowed to elapse before overcoating.

### 14 Application

14.1 The product is applied by roller or brush in two coats and can also be spray applied. The manufacturer can advise on suitable types of spray equipment.

14.2 The first coat may be diluted with up to 10% by volume of clean, cold water. The second coat is applied undiluted.

14.3 The product should not be applied in wet weather, at temperatures below 5°C, or when frost is expected. Freshly-coated work should be protected from rain.

14.4 The coverage achieved will depend on the texture and suction of the substrate; normally it will be between 2.0 m<sup>2</sup> per litre per coat and 4 m<sup>2</sup> per litre per coat.

14.5 To avoid patchiness due to drying edges, work should be carried to an internal or external angle or to a feature. Alternatively, joints may be made to coincide with downpipes. On large unbroken areas, sufficient operatives should be available to maintain a flowing edge.

14.6 The second coat should not be applied until the first coat is thoroughly dry. The drying time varies, depending on the substrate and atmospheric conditions. In favourable conditions, two coats can be applied on the same day.

## Technical Investigations

The following is a summary of the technical investigations carried out on MRS 6 Masonry Coating.

### 15 Tests

15.1 Samples on various primed and unprimed substrates were tested in accordance with MOAT No 33 : 1986 to determine:

- extensibility
- water vapour permeability
- colour stability and resistance to artificial weathering
- adhesion to substrates
- resistance to abrasion
- resistance to impact
- resistance to soiling
- resistance to wind-driven rain
- effect of water immersion
- effect of alkali immersion.

15.2 An examination was made of independent test data relating to:

- resistance to algal growth
- surface spread of flame
- fire propagation.

### 16 Investigations

16.1 A re-examination was made of the data and investigations on which the previous issue Certificate was based. The conclusions drawn from the original data remain valid.

16.2 The manufacturing process was examined, and the raw material specifications, formulations and quality control procedures were established.

16.3 Regular factory inspections have been carried out to ensure that quality is being maintained.

16.4 A site visit was made to assess the practicability of installation.

16.5 Visits were made to established sites where the product had been in service for up to nine years. The product was found to be performing satisfactorily.

16.6 A user survey was conducted of painted properties up to 12 years old and the response indicated that the product continues to perform satisfactorily.

16.7 No failure of the product has been reported to the BBA.

## Additional Information

The management systems of Alumasc Exterior Building Products Ltd have been assessed and registered as meeting the requirements of BS EN ISO 9001 : 2000 by Centre for Assessment Ltd (Certificate No 02/1832).

## Bibliography

BS 4800 : 1989 *Schedule of paint colours for building purposes*

BS 6150 : 1991 *Code of practice for painting of buildings*

BS 7406 : 1991 *Methods for determination of water vapour transmission rate of sheet materials (paper and board) by dynamic sweep and static gas methods*

BS 8000-12 : 1989 *Workmanship on building sites — Code of practice for decorative wallcoverings and painting*

BS EN ISO 9001 : 2000 *Quality management systems — Requirements*

ISO 9932 : 1990 *Paper and board — Determination of water vapour transmission rate of sheet materials — Dynamic sweep and static gas methods*

MOAT No 33 : 1986 *The assessment of masonry coatings*

## Conditions of Certification

### 17 Conditions

17.1 This Certificate:

- (a) relates only to the product that is described, installed, used and maintained as set out in this Certificate;
- (b) is granted only to the company, firm or person identified on the front cover — no other company, firm or person may hold or claim any entitlement to this Certificate;
- (c) is valid only within the UK;
- (d) has to be read, considered and used as a whole document — it may be misleading and will be incomplete to be selective;
- (e) is copyright of the BBA;
- (f) is subject to English law.

17.2 References in this Certificate to any Act of Parliament, Regulation made thereunder, Directive or Regulation of the European Union, Statutory Instrument, Code of Practice, British Standard, manufacturers' instructions or similar publication, are references to such publication in the form in which it was current at the date of this Certificate.

17.3 This Certificate will remain valid for an unlimited period provided that the product and the manufacture and/or fabrication including all related and relevant processes thereof:

- (a) are maintained at or above the levels which have been assessed and found to be satisfactory by the BBA;

(b) continue to be checked as and when deemed appropriate by the BBA under arrangements that it will determine; and

(c) are reviewed by the BBA as and when it considers appropriate.

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

- (a) the presence or absence of any patent, intellectual property or similar rights subsisting in the product or any other product;
- (b) the right of the Certificate holder to market, supply, install or maintain the product; and
- (c) the actual works in which the product is installed, used and maintained, including the nature, design, methods and workmanship of such works.

17.5 Any recommendations relating to the use or installation of this product which are contained or referred to in this Certificate are the minimum standards required to be met when the product is used. They do 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 or in the future; nor is conformity with such recommendations to be taken as satisfying the requirements of the 1974 Act or of any present or future 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 installation and use of this product.



In the opinion of the British Board of Agrément, MRS 6 Masonry Coating is fit for its intended use provided it is used, installed and maintained as set out in this Certificate. Certificate No 88/2090 is accordingly awarded to Alumasc Exterior Building Products Ltd.

On behalf of the British Board of Agrément

Date of Third issue: 29th September 2004

Chief Executive

*\*Original Certificate issued 23rd September 1988. This amended version includes change of Certificate holder's name and address, references to the revised Building Regulations, additional CDM Regulations, addition of Additional Information and new Conditions of Certification.*



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**British Board of Agrément**

P O Box No 195, Bucknalls Lane  
Garston, Watford, Herts WD25 9BA  
Fax: 01923 665301

©2004

e-mail: [mail@bba.star.co.uk](mailto:mail@bba.star.co.uk)  
website: [www.bbacerts.co.uk](http://www.bbacerts.co.uk)



For technical or additional information, contact the Certificate holder (see front page).  
For information about the Agrément Certificate, including validity and scope, tel: Hotline 01923 665400, or check the BBA website.