



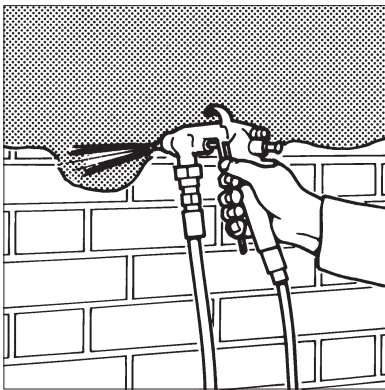
Designated by Government
to issue
European Technical
Approvals

Product

• THIS CERTIFICATE RELATES TO ANDURA TMC, A MASONRY COATING, IN FINE AND COARSE TEXTURE, BASED ON A STYRENE-ACRYLATE SOLUTION.

• The product is suitable for internal or external use and is applied by spray, or applied by brush and textured with a roller.

• The product is suitable for application to a wide range of materials, listed in section 7 of this Certificate.



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**Agrement
Certificate
No 87/1808**


Third issue*

ANDURA TMC

Enduit de surface
Oberflächenbeschichtung


Regulations

1 The Building Regulations 1991 (as amended) (England and Wales)

 The Secretary of State has agreed with the British Board of Agrément the aspect 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, Andura TMC, if used in accordance with the provisions of this Certificate, will meet or contribute to meeting the relevant requirements.

Requirement: B2	Internal fire spread (Linings)
Requirement: B4(1)	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 to 9.3 of this Certificate.
Requirement: Regulation 7	Materials and workmanship
Comment:	The product is an acceptable material. See section 10.1 of this Certificate.


2 The Building Standards (Scotland) Regulations 1990 (as amended)⁽¹⁾

 In the opinion of the BBA, Andura TMC, if used in accordance with the provisions of this Certificate, will satisfy the various Regulations as listed below.

Regulation: 10	Fitness of materials
Standard: B2.1	Selection and use of materials and components
Comment:	The product is an acceptable material. See section 10.1 of this Certificate.
Regulation: 13	Means of escape from fire facilities for fire-fighting and means of warning of fire in dwellings
Standard: E6.1	Internal fire spread — General
Comment:	The product applied to non-combustible substrates has a Class 0 surface. See sections 9.1 to 9.3 of this Certificate.

(1) The fifth amendment to the Technical Standards are expected to come into effect on 17th April 2000 and will introduce requirements for external wall claddings in clause D6.8.

3 The Building Regulations (Northern Ireland) 1994 (as amended)

 In the opinion of the BBA, Andura TMC, if used in accordance with the provisions of this Certificate, will satisfy the various Building Regulations as listed below.

Regulation: B2	Fitness of materials and workmanship
Comment:	The product is an acceptable material. See section 10.1 of this Certificate.
Regulation: E4	Internal fire spread — Linings
Regulation: E8	External fire spread
Comment:	The product applied to non-combustible substrates has a Class 0 surface as defined in Technical Booklet E : 1994 : Section 2.4 and its use on these substrates is unrestricted under these Regulations. See sections 9.1 to 9.3 of this Certificate.

4 Construction (Design and Management) Regulations 1994

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 11 Maintenance.

Technical Specification

5 Description

5.1 Andura TMC is a masonry coating, in fine and coarse texture, for internal or external use, and is available in the following colour range:

Polar white, Honeysuckle, Camelot, Waterlily, Anglesea, Harvest, Orchid, English Rose, Watermill, Sandstone and Cloudbase.

5.2 The product is a solution of styrene-acrylate resin in hydrocarbon solvents and contains pigments, fillers, algicide and other additives.

5.3 The product is produced by a batch-blending process. Quality control tests for viscosity, specific gravity and colour are conducted on the final product.

5.4 Andura TMC Smooth Primer/Sealer is a solution of styrene-acrylate resin in hydrocarbon solvents and is used to prime abnormally friable or absorbent surfaces.

5.5 Andura Thinner T77 is a hydrocarbon solvent.

5.6 Andura Biocide solution is used to prepare weathered surfaces showing organic growth.

6 Delivery and site handling

6.1 The product is supplied in 20 litre containers marked with the manufacturer's name and batch code.

6.2 The product has a shelf life of two years. If partly-used containers are scraped down and the surface covered with a thin layer of Andura Thinner T77, they may be re-sealed and re-stored.

6.3 Andura TMC, TMC Smooth Primer/Sealer and Andura Thinner T77 are flammable, with flash points exceeding 32°C and must be stored in a cool place away from naked flames.

Design Data

7 General

Andura TMC is satisfactory for application by spray or application by brush followed by texturing with a roller to internal and external walls⁽¹⁾ ceilings and soffits of the following materials:

- in-situ or precast concrete (dense and lightweight)
- concrete blockwork (dense and lightweight)
- brickwork (stock, facing and calcium silicate bricks)
- renderings (sand-cement and sand-lime-cement)
- asbestos cement sheet
- calcium silicate or fibre reinforced cement sheets or insulation boards

(g) surfaces a to f painted with cement paint

(h) surfaces a to g sealed with Andura TMC Smooth Primer/Sealer⁽²⁾

(i) surfaces painted with gloss, oil or emulsion paint⁽²⁾

(1) The assessment on external walls covers the face of the wall above dpc level, and excludes horizontal surfaces such as ledges, sills and copings.


(2) the effect of Sealer or an existing coating on the surfaces' fire properties is defined in section 9 of this Certificate.

8 Permeability

8.1 When tested by the dynamic sweep gas method to BS 7406 : 1991 a sample of the product, on fibre-reinforced cement, gave a water vapour resistance of 21.6 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 Fire properties

 9.1 Andura TMC applied without pretreatment to the non-combustible substrates listed in section 7 (a) to (g) of this Certificate has a Class 0 surface.

9.2 Andura TMC applied over TMC Smooth Primer/Sealer on the substrates listed in Section 7(a) to (g) have a Class 0 surface.

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

10 Durability

 10.1 Andura TMC correctly applied at 1.0 to 1.5 litres per m² to strong durable substrates will perform satisfactorily in nominal conditions, with good colour stability for more than 15 years.

10.2 In industrial atmospheres the coating may become dirty and, to maintain their appearance, it may be necessary to clean or recoat more frequently.

10.3 The coating will be discoloured by water runs and care should be taken to ensure that normal architectural details for shedding water clear of the building are present and functioning.

10.4 There will be a gradual change in colour but this will not be excessive and, provided water runs do not occur down the material, will not result in a patchy appearance.

10.5 The coating may be abraded, particularly at ground floor level, by carelessness in use, eg bicycles or gardening tools leant against them.

10.6 Where expansion joints are painted over, the coating may crack if the movement is severe, but it will not lift or curl at the crack.

11 Maintenance

11.1 Andura TMC will withstand frequent washing without deterioration. A soft bristle brush should be used.

11.2 For recoating, normally it is neither necessary nor possible to remove the existing coating completely. The surface should be prepared by washing or brushing, and may be recoated with Andura TMC. Redecoration with cement paints, oil or gloss paints is not recommended.

Installation

12 Preparation

12.1 The substrates listed in section 6 should be sound, free from dirt and grease and reasonably dry. The surface may be prepared by abrasive blast cleaning, mechanical cleaning with a descaling gun, scraping, wire-brushing, steam-cleaning or high pressure water jetting. If the surface has been painted previously, the existing coating's adhesion must be checked, and the coating removed mechanically if necessary.

12.2 Joints in new brickwork and brickwork should be finished flush. Mortar joints in existing work should be repointed if necessary and allowed to cure.

12.3 The product can bridge hairline cracks in the substrate but larger cracks should be filled and patched, with Andura approved repair materials.

12.4 Any organic growth should be removed mechanically from old surfaces, and the surface treated with Andura Biocide.

12.5 If the substrate is chalking, lightly absorbent or friable, any loose material should be removed with a stiff brush. If necessary, TMC Smooth Primer/Sealer is applied at a coverage of 3 m² to 6 m² per litre.

12.6 In exceptional circumstances to avoid excessive coating thickness on heavy pebbledash surfaces it may be necessary to thin Andura TMC by up to 10% using Andura Thinner T77. Advice on this must be taken from the Andura Technical Department.

13 Application

13.1 Andura TMC is applied by brush and textured by roller or is applied directly by spray at 1.0 to 1.5 litres per m². The manufacturer can advise on suitable types of spray equipment. Proper ventilation is necessary during an indoor application.

13.2 The product should not be applied in wet weather, nor to a frosted surface.

13.3 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.

13.4 During the drying period, the coating has good tolerance to showers.

Technical Investigations

The following is a summary of the technical investigations carried out on Andura TMC.

14 Tests

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

- effect of water immersion
- effect of alkali immersion
- colour stability and resistance to artificial weathering
- resistance to impact
- abrasion resistance
- extensibility
- resistance to algal growth
- water vapour permeability
- resistance to soiling
- surface spread of flame
- fire propagation
- resistance to wind-driven rain
- flash point.

15 Other investigations

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

15.2 A site visit was made to assess the practicability of application.

15.3 An examination was made of existing data on the durability performance and safety in use of styrene-acrylate solution paints.

Bibliography

BS 4800 : 1989(1994) *Schedule of paint colours for building purposes*

BS 5252 : 1976(1996) *Framework for colour co-ordination for building purposes*

BS 7406 : 1991(1996)⁽¹⁾ *Methods for determination of water vapour transmission rate of sheet materials (paper and board) by dynamic sweep and static gas methods*

(1) related to ISO 9932 : 1990

MOAT No 33 *The assessment of masonry coatings*

Conditions of Certification

16 Conditions

16.1 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) has to be read, considered and used as a whole document — it may be misleading and will be incomplete to be selective;
- (d) is copyright of the BBA.

16.2 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, shall be construed as references to such publication in the form in which it was current at the date of this Certificate.

16.3 This Certificate will remain valid for an unlimited period provided that the product and the manufacture and/or fabricating process(es) 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 by the BBA or its agents; and

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

16.4 In granting this Certificate, the BBA makes no representation as to:

- (a) the presence or absence of any patent 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 nature of individual installations of the product, including methods and workmanship.

16.5 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, Andura TMC is fit for its intended use provided it is installed, used and maintained as set out in this Certificate. Certificate No 87/1808 is accordingly awarded to Andura Textured Masonry Coatings Ltd.

On behalf of the British Board of Agrément

A handwritten signature in black ink, appearing to read 'P. Q. Newstead', is written over a light grey background.

Date of Third issue: 21st March 2000

Chief Executive

**Original Certificate issued 5th February 1987. This amended version includes reference to revised Building Regulations, change to the Durability clause, change to the colour range, addition of CDM Regulations and Bibliography section, and new Conditions of Certification.*

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For information about the Agrément Certificate, including validity and scope, tel: Hotline 01923 665400, or check the BBA website.