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Agrément Certificate

97/3339

Product Sheet 1

PPG ARCHITECTURAL COATINGS UK LIMITED PAINT SYSTEMS

JOHNSTONE'S JONTEX HIGH BUILD TEXTURED MASONRY FINISH

This Agrément Certificate Product Sheet⁽¹⁾ relates to Johnstone's Jontex High Build Textured Masonry Finish, for use as a plastic rendering on exterior masonry surfaces.

(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

Permeability — the product provides good resistance to water penetration (see section 6).

Performance in relation to fire — the product has a Class 2 or 'high risk' rating as defined in the national Building Regulations (see section 7).

Durability — in normal external conditions, when correctly applied to the detailed substrates, the product will perform satisfactorily for more than 10 years (see section 9).



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

Claire Curtis-Thomas

Date of Third Issue: 2 January 2018

John Albon – Head of Approvals
Construction Products

Claire Curtis-Thomas
Chief Executive

Originally certificated on 28 March 1997

Certificate amended on 4 February 2019 to include Regulation 7(2) for England and associated text.

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.*

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

British Board of Agrément

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Regulations

In the opinion of the BBA, Johnstone's Jontex High Build Textured Masonry Finish, 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 presence of a UK map indicates that the subject is related to the Building Regulations in the region or regions of the UK depicted):



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

Requirement:	B4(1)	External fire spread
Comment:	The product is restricted by this Requirement. See sections 7.1 and 7.3 of this Certificate.	
Regulation:	7	Materials and workmanship (applicable in Wales only)
Regulation:	7(1)	Materials and workmanship (applicable in England only)
Comment:	The product is acceptable. See section 9.1 and the <i>Installation</i> part of this Certificate.	
Regulation:	7(2)	Materials and workmanship (applicable in England only)
Comment:	The product is restricted by this Regulation. See sections 7.1 and 7.3 of this Certificate.	



The Building (Scotland) Regulations 2004 (as amended)

Regulation:	8(1)(2)	Durability, workmanship and fitness of materials
Comment:	The product can contribute to a construction satisfying this Regulation. See sections 8 and 9.1 and the <i>Installation</i> part of this Certificate.	
Regulation:	9	Building standards applicable to construction
Standard:	2.6	Spread to neighbouring buildings
Standard:	2.7	Spread on external walls
Comment:	The product, when applied to a non-combustible substrate, has a 'high risk' surface as defined in Annex 2.B and is therefore restricted by these Standards, with reference to clauses 2.6.4 ⁽¹⁾⁽²⁾ , 2.6.5 ⁽¹⁾ , 2.6.6 ⁽²⁾ , 2.7.1 ⁽¹⁾⁽²⁾ and 2.7.7 ⁽¹⁾ . See sections 7.1 and 7.4 of this Certificate.	
Standard:	7.1(a)(b)	Statement of sustainability
Comment:	The product can contribute to meeting the relevant requirements of Regulation 9, Standards 1 to 6 and therefore will contribute to a construction meeting a bronze level of sustainability as defined in this Standard.	
Regulation:	12	Building standards applicable to conversions
Comment:	Comments made in relation to the product under Regulation 9, Standards 1 to 6 also apply to this Regulation, with reference to clause 0.12.1 ⁽¹⁾⁽²⁾ and Schedule 6 ⁽¹⁾⁽²⁾ .	

(1) Technical Handbook (Domestic).

(2) Technical Handbook (Non-Domestic).



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

Regulation:	23(a)(b)(i)	Fitness of materials and workmanship
Comment:	The product is an acceptable material. See section 9.1 and the <i>Installation</i> part of this Certificate.	
Regulation:	36(a)	External fire spread
Comment:	The product, when applied to a non-combustible substrate, has a Class 2 surface as defined in Technical Booklet E : 2005, Section 2.4, and its use on these substrates is restricted under this Regulation. See sections 7.1 and 7.3 of this 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.

See sections: 1 *Description* (1.1) and 3 *Delivery and site handling* (3.1 and 3.4) of this Certificate.

Technical Specification

1 Description

1.1 Johnstone's Jontex High Build Textured Masonry Finish is a plastic rendering for external application to the substrates defined in section 4.2. It is based on a resin emulsion containing pigments, extenders, biocides and other additives.

1.2 The product is available in a range of colours, details of which are available from the Certificate holder.

1.3 Ancillary items for use with the product include:

- Johnstone's Acrylic Primer — used with an open polyester membrane to prepare exterior plywood and fibre-reinforced cement or calcium silicate boards
- Johnstone's Sterilisation Wash — used to prepare weathered surfaces showing signs of organic growth, approved under the *Control of Pesticides (Amendment) Regulations* 1997 (HSE No. 7359) for its intended use
- Johnstone's Quick Drying High Build Zinc Phosphate Primer — used to spot ferrous fixings
- Johnstone's Stormshield Stabilising Solution — used to treat porous or chalking masonry surfaces.

2 Manufacture

2.1 The product is manufactured in a batch-blending process using a resin emulsion with the addition of pigments, extenders, biocides and other additives.

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 systems of PPG Architectural Coatings UK Limited have been assessed and registered as meeting the requirements of BS EN ISO 9001 : 2008 and BS EN ISO 14001 : 2004 by BSI (Certificates FMO 1265 and EMS 73683 respectively).

3 Delivery and site handling

3.1 The product is supplied in 10 litre containers bearing the marketing company's name, date code, and the BBA logo incorporating the number of this Certificate.

3.2 The product should be protected from frost during transit and when stored on site.

3.3 The product has a shelf-life of two years. Degradation of the material does not occur but there may be some separation. Partly used containers can be re-stored provided the polythene cover and lid are replaced.

3.4 The Certificate holder has taken responsibility of classifying and labelling the product under the *CLP Regulations (EC) No 1272/2008 on the classification, labelling and packaging of substances and mixtures*. Users must refer to the relevant Safety Data Sheet(s).

Assessment and Technical Investigations

The following is a summary of the assessment and technical investigations carried out on Johnstone's Jontex High Build Textured Masonry Finish.

Design Considerations

4 Use

4.1 Johnstone's Jontex High Build Textured Masonry Finish is satisfactory for use as a plastic rendering on exterior masonry surfaces.

4.2 The product is satisfactory for application by trowel, roller or spray to surfaces of:

- (a) in-situ or precast concrete (dense and lightweight)
- (b) concrete blockwork (dense and lightweight)
- (c) brickwork (stock, facing and calcium silicate bricks)⁽¹⁾
- (d) renderings (sand/cement and sand/lime/cement)
- (e) calcium silicate or fibre-reinforced cement sheets or insulation boards
- (f) plywood
- (g) suitably sound previously painted surfaces
- (h) surfaces (d) and (e) treated with Johnstone's Stormshield Stabilising Solution
- (i) surfaces (a) to (f) treated with Johnstone's Acrylic Primer.

(1) In new constructions, the brick manufacturer's recommendations for overcoating materials must be followed.

4.3 Following application, the coating can be textured or stippled using a roller, comb or spatula.

4.4 The scope of this Certificate includes the face of an external wall above damp-proof course (dpc) level, and excludes horizontal surfaces such as ledges, sills and copings. Parapet walls must have effective dpc's in the correct positions.

4.5 The effect of pre-treatments or an existing coating on the surface's fire properties is defined in section 7.

5 Practicability of installation

The product can be readily applied by operatives familiar with this type of product.

6 Permeability

6.1 When tested by dynamic sweep gas to BS 7406 : 1991, ISO 9932 : 1990 a sample of the product, on fibre-reinforced cement board, gave a water vapour resistance of $11.7 \text{ MN}\cdot\text{s}^{-1}\cdot\text{g}^{-1}$.

6.2 When tested to the same method, a sample of the product applied over Johnstone's Acrylic Primer and an open polyester membrane gave a water vapour resistance of $24.5 \text{ MN}\cdot\text{s}^{-1}\cdot\text{g}^{-1}$.

7 Properties in relation to fire



7.1 When applied without pre-treatment to the non-combustible substrates listed in section 4.2(a) to (e), the product has a Class 2 or 'high risk' surface.

7.2 This performance may not be achieved if the product is applied over plywood, Johnstone's Acrylic Primer or a previous paint coating.



7.3 The product is not classified as non-combustible and may be used on buildings with no storey 18 m or more above the ground and 1 m or more from a boundary. With minor exceptions, the product should be included in calculations of unprotected area.



7.4 The product is not classified as non-combustible ('High Risk' in Scotland) and may be used on buildings with no storey 18 m or more above the ground and more than 1 m from a boundary. With minor exceptions, the product should be included in calculations of unprotected area. The product is further restricted on some parts of buildings of some occupancy classes.

8 Maintenance



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

9 Durability



9.1 In normal conditions, Johnstone's Jontex High Build Textured Masonry Finish, properly applied to the substrates listed in section 4.2, will have good colour stability and will perform satisfactorily for more than 10 years.

9.2 In industrial atmospheres the coating may become dirty and, to maintain its appearance, more frequent cleaning or re-coating may be necessary.

9.3 The product has good colour stability but there will be a gradual slight change in colour. The coating will be discoloured by water runs and care must be taken to ensure that normal architectural details for shedding water clear of the building are present and functioning.

9.4 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.

Installation

10 General

10.1 Application of Johnstone's Jontex High Build Textured Masonry Finish should be carried out in accordance with the relevant clauses of BS 6150 : 2006, BS 8000-0 : 2014 and BS 8000-12 : 1989.

10.2 The product should not be applied in wet weather, at temperatures below 10°C, or when frost is expected.

11 Preparation

11.1 The substrates listed in section 4.2 must be sound, free from dirt and grease, and reasonably dry. Joints in new brickwork and blockwork should be finished flush and mortar joints in existing work repointed if necessary, and allowed to cure.

11.2 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.

11.3 Any organic growth should be removed mechanically from old surfaces, and Johnstone's Sterilisation Wash applied in accordance with the Certificate holder's instructions, left overnight, rinsed with clean water and allowed to dry. Any remaining loose material should be removed using a stiff brush.

11.4 If the substrate is chalking, absorbent or friable, or has been decorated previously, any loose material should be removed with a stiff brush. A priming coat of Johnstone's Stabilising Solution should be applied if necessary and allowed to dry overnight before the product is applied.

11.5 Johnstone's Acrylic Primer is used to prepare exterior plywood and weathered calcium silicate or cement-based boards. It is applied in accordance with the Certificate holder's instructions and the open polyester membrane is embedded and smoothed out using a brush or roller while the primer is wet. This is allowed to dry for 24 hours and a second coat is applied and allowed to dry overnight.

12 Application

12.1 The product must be stirred before use and applied by trowel, roller or air-assisted spray. The Certificate holder can advise on suitable types of spray equipment.

12.2 A patterned finish can be achieved by using Johnstone's High Build Roller, or by using a roller, comb or spatula in a separate operation before the coating has dried.

12.3 Freshly coated work must be protected from rain.

12.4 The coverage achieved will depend on the texture and the suction of the substrate; normally it will be approximately 0.5 to 1 square metres per litre.

12.5 To avoid patchiness owing 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, etc. On large unbroken areas sufficient operatives should be available to maintain a flowing edge.

12.6 The drying time varies, depending on the substrate and atmospheric conditions. The coating will normally be surface dry in 3 to 5 hours and thoroughly dry in 48 to 72 hours.

Technical Investigations

13 Tests

13.1 Samples on various primed and unprimed substrates were tested and the results assessed to determine:

- resistance to artificial weathering
- water vapour permeability
- resistance to impact
- resistance to water immersion
- resistance to alkali immersion
- resistance to wind-driven rain
- resistance to freeze/thaw cycling
- gap-bridging ability
- peel-off strength.

13.2 An evaluation was made of existing data relating to:

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

14 Investigations

14.1 A re-evaluation was made of the existing data and investigations relating to the previous assessment of associated products.

14.2 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 6150 : 2006 + A1 : 2014 *Painting of buildings — Code of practice*

BS 7406 : 1991, ISO 9932 : 1990 *Methods for determination of water vapour transmission rate of sheet materials (paper and board) by dynamic sweep and static gas methods*

BS 8000-0 : 2014 *Workmanship on construction sites — Introduction and general principles*

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

BS EN ISO 9001 : 2008 *Quality management systems — Requirements*

BS EN ISO 14001 : 2004 *Environmental management systems — Requirements with guidance for use*

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 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.