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**Agrément  
 Certificate  
 No 95/3183**  
 Third issue\*

Designated by Government  
 to issue  
 European Technical  
 Approvals

**FLEXIREND HIGHBUILD**  
 Enduit de parement plastique  
 Kunststoffberappen


**Product**



- THIS CERTIFICATE RELATES TO FLEXIREND HIGHBUILD, A PLASTIC RENDERING APPLIED BY TROWEL, ROLLER OR SPRAY AND GIVEN A PATTERNED FINISH USING A ROLLER, COMB, SPONGE OR SPATULA.
- The product can be applied to the substrates listed in section 7.1 and is suitable for internal or external use.


**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, Flexirend Highbuild, if used in accordance with the provisions of this Certificate, will meet or contribute to meeting the relevant requirements.

Requirement: B2(1)	Internal fire spread (linings)
Requirement: B4(1)	External fire spread
Comment:	Data obtained from tests to BS 476-6 : 1989 and BS 476-7 : 1987 indicate that the use of the product applied to non-combustible substrates can enable a wall to be unrestricted by these Requirements. See sections 9.1 and 9.2 of this Certificate.
Requirement: Regulation 7	Materials and workmanship
Comment:	The product is an acceptable material. See section 11.1 of this Certificate.

**2 The Building (Scotland) Regulations 2004**

 In the opinion of the BBA, Flexirend Highbuild, if used in accordance with the provisions of this Certificate, will satisfy or contribute to satisfying the various Regulations and related Mandatory Standards as listed below.

Regulation: 8	Fitness and durability of materials and workmanship
Regulation: 8(1)	Fitness and durability of materials and workmanship
Comment:	The product can contribute to a construction meeting this Regulation. See the <i>Installation</i> part and section 11.1 of this Certificate.

# Electronic Copy

Regulation: 9  
Standard: 2.6  
Standard: 2.7  
Comment:

## Building standards — construction

Spread to neighbouring buildings  
Spread on external walls

Data obtained from tests to BS 476-6 : 1989 and BS 476-7 : 1987 indicate that the product applied to non-combustible surfaces can achieve a 'low risk' surface. See clauses 2.6.4<sup>(1)(2)</sup>, 2.7.1<sup>(1)(2)</sup> and 2.A.7<sup>(1)</sup> of these Standards. See sections 9.1 and 9.2 of this Certificate.

(1) Technical Handbook (Domestic).

(2) Technical Handbook (Non-Domestic).

## 3 The Building Regulations (Northern Ireland) 2000



In the opinion of the BBA, Flexirend Highbuild, 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  
Comment:

Fitness of materials and workmanship

The product is an acceptable material. See section 11.1 of this Certificate.

Regulation: E3  
Regulation: E5  
Comment:

Internal fire spread — Linings

External fire spread

Data obtained from tests to BS 476-6 : 1989 and BS 476-7 : 1987 indicate that the use of the product applied to non-combustible substrates can enable a wall to be 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 (5.4) and 6 Delivery and site handling (6.1 and 6.4).

## Technical Specification

### 5 Description

5.1 Flexirend Highbuild is a plastic rendering suitable for internal or external use on the substrates defined in section 7. It is available in a range of colours, details of which are available from the Certificate holder.

5.2 The product is based on a resin emulsion and contains pigments, extenders, biocides 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 Ancillary items used with the product include:

- weber CL150 — used to prepare weathered surfaces showing signs of organic growth. This product is approved for this use under the Control of Pesticides Regulations 1986 (HSE No 4806)
- Sealercoat Stabilising Sealer (weber PR305) — used to treat porous or chalking masonry surfaces.

### 6 Delivery and site handling

6.1 The product is supplied in 15 kg containers bearing the manufacturer's name, date code, and the BBA identification mark incorporating the number of this Certificate.

6.2 The product has a shelf-life in excess of 12 months. Degradation of the material does not occur within two years but there may be some settling. Partly used containers can be re-stored provided they are airtight.

6.3 The product should be stored in dry, cool conditions at a temperature above 5°C and protected from sunlight and direct heat.

6.4 weber CL150 is classified as Harmful under the Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 (CHIP3).

## Design Data

### 7 General

7.1 Flexirend Highbuild is satisfactory for application by trowel, roller or spray to internal and external 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 (sand/cement and sand/lime/cement)
- (e) calcium silicate or fibre-reinforced cement sheets or insulation boards
- (f) gypsum plaster (internal use)
- (g) suitably sound previously painted surfaces
- (h) surfaces (a) to (f) treated with Sealcoat Stabilising Sealer (weber PR305).

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

7.2 Following application, the product can be given a textured or stippled finish using such tools as a roller, comb, sponge or spatula. Internal applications in areas such as corridors should be finished to give a relatively untextured surface.

7.3 The assessment on external 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 positions.

7.4 The effect of pretreatment or an existing coating on the surfaces' fire properties is indicated 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 applied on fibre-reinforced cement, gave a water vapour resistance of 26.1 MNsg<sup>-1</sup>.

8.2 The coating has a good resistance to water penetration and considerably reduces the amount of water that can be absorbed by the substrate during rain.

## 9 Properties in relation to fire



9.1 A sample comprising one coat of the product with a textured finish, on calcium silicate board, without pre-treatment to the substrate, gave a fire propagation index I of 1.9 and a sub-index  $i_1$  of 0.9 when tested to BS 476-6 : 1989 and a Class 1 result when tested to BS 476-7 : 1987. The sample therefore achieved a Class 0 or 'low risk' surface as defined in the national Building Regulations.

9.2 This performance may not be achieved by other colours of the product, nor if the product is applied over a previous coating. The performance of other colours or material combinations should be confirmed by:

### England and Wales

Test or assessment in accordance with Approved Document B, Appendix A, clause 1

### Scotland

Test to conform with the Table to Annex 2C of Regulation 9

### Northern Ireland

Test or assessment by a UKAS accredited laboratory or an independent consultant with appropriate experience.

## 10 Maintenance

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

10.2 For re-coating, normally it is not necessary to remove the existing coating completely. The surface should be prepared by washing or brushing, and may be re-coated with Flexirend Highbuild or a suitable masonry paint. Redecoration with oil, gloss or cement paints is not recommended.

## 11 Durability



11.1 In normal conditions Flexirend Highbuild, properly applied to the substrates (listed in section 7), will have good colour stability and will perform satisfactorily for more than 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 slight change in colour but the coating will be discoloured by water runs so care must be taken to ensure that the normal architectural details for shedding water are present and functioning.

## Installation

### 12 General

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

12.2 The product should not be applied in wet weather, at temperatures below 5°C, or when frost is expected.

12.3 The coverage achieved will depend on the texture and suction of the substrate; normally it will be approximately 2.5 kgm<sup>-2</sup>.

### 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 Organic growth should be removed mechanically from old surfaces, and weber CL150 applied and allowed to dry. Remaining loose material should be removed using a stiff brush.

13.4 If the substrate is chalking, absorbent, friable, or has been decorated previously, any loose material should be removed with a stiff brush and a priming coat of Sealercoat Stabilising Sealer (weber PR305) should be applied and allowed to dry overnight before the coating is applied.

## 14 Application

14.1 The product should be stirred before use and applied by trowel, roller or spray. Up to 5% of water may be added for spray application. The Certificate holder can advise on suitable types of spray equipment.

14.2 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 features such as downpipes. On large unbroken areas, sufficient operatives should be available to maintain a flowing edge.

14.3 A patterned finish can be achieved in a separate operation before the coating has dried (see section 7.2).

14.4 Freshly coated work should be protected from rain.

14.5 The drying time varies, depending on the substrate and atmospheric conditions. The coating will normally be surface dry within several hours and through dry within 24 to 72 hours.

## Technical Investigations

The following is a summary of the technical investigations carried out on Flexirend Highbuild.

### 15 Tests

15.1 Samples on various primed and unprimed substrates were tested in accordance with MOAT No 24 : 1983 to determine:

- extensibility
- water vapour permeability
- resistance to artificial weathering
- 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.

15.2 An examination was made of existing data relating to:

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

### 16 Investigations

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

16.2 A postal user survey was carried out to establish the performance of the product in service.

## Additional Information

The management systems of Saint-Gobain Weber Ltd have been assessed and registered as meeting the requirements of BS EN ISO 9001 : 2000 by National Quality Assurance Limited (Certificate No 0559).

## Bibliography

- BS 476-6 : 1989 *Fire tests on building materials and structures — Method of test for fire propagation for products*  
BS 476-7 : 1987 *Fire tests on building materials and structures — Method for classification of the surface spread of flame of products*  
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 24 : 1983 *Directives for the Assessment of Plastic Renderings*

## Conditions of Certification

### 17 Conditions

17.1 This Certificate:

- (a) relates only to the product that is named, 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, Flexirend Highbuild is fit for its intended use provided it is installed, used and maintained as set out in this Certificate. Certificate No 95/3183 is accordingly awarded to weber building solutions.

On behalf of the British Board of Agrément

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

Date of Third issue: 19th May 2005

Chief Executive

*\*Original Certificate issued 26th September 1995. This amended version includes change of Certificate holder's name, address and contact details, change of names of some ancillary products, reference to revised CDM Regulations, Building Regulations and Standards, addition of Additional Information and new Conditions of Certification.*

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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.