



# Brushbond FLXIII

High-technology polymer modified elastomeric waterproofing membrane system for concrete masonry surfaces

## Uses

Brushbond FLXIII when fully cured, provides a seamless elastic waterproof membrane for use in bathrooms, toilets, wet areas, pre-cast joints where a tough elastomeric water tight membrane is required.

## Advantages

- Can be applied to damp substrates
- No primer required
- Elastomeric - able to bridge cracks
- Able to take foot traffic when cured
- Factory pre-blended two component system ensure quality control at site

## Description

Brushbond FLXIII is a two component polymer modified waterproof membrane which is supplied in ready mixed kits. When mixed, an easily brushable coating is produced. It can simply be applied by a stiff brush, roller, or trowel to obtain the desired thickness.

Brushbond FLXIII consists of specially selected cements, graded hard-wearing aggregates and additives supplied in powder form together with a liquid component of polymers providing exceptional adhesion, resiliency, flexibility, toughness and durability. Brushbond FLXIII, available in grey / white and green, cures to form an elastomeric impermeable membrane.

## Technical support

Fosroc offers comprehensive technical support, including help at the design stage, application advice and on the site problem solving. Specifiers and contractors are encouraged to contact our trained staff for answers to their questions.

For further information, please contact Fosroc.

## Standards compliance

Brushbond FLXIII conforms to the requirements of:  
 DIN 1048, Part 1, Clause 4.7  
 ASTM E96 : 92  
 ASTM D412 : 92  
 ASTM C836 : 89  
 ASTM D2240 : 91  
 ASTM D146 : 90, Clause 14 and  
 BS 4550, Part 2 : 70, Clause 17

## Typical Properties

<b>Pot life at 35°C:</b>	Approx. 1 hour
<b>Adhesion to substrate:</b>	> 1 N/mm <sup>2</sup>
<b>Shore A hardness at 25°C, 7 days cure:</b>	60
<b>Tensile strength (N/mm<sup>2</sup>): (ASTM D412)</b>	1.0
<b>Elongation at break: (ASTM D412)</b>	250%
<b>Hydrostatic test at water pressure of 0.4 bars for 6 hrs:</b>	No penetration
<b>Water vapour permeability:</b>	< 4 g/m <sup>2</sup> /day
<b>Crack bridging:</b>	Pass
<b>Flexibility:</b>	Pass
<b>25 mm mandrell</b>	Pass
<b>Setting time*</b>	
- Foot traffic	4 hrs ± 1 hr
- Light vehicle	24hrs ± 3 hrs

Note\*: On clear dry concrete, with adequate airflow (ventilation) at 25°C to 35°C.

## Instructions for use

### Preparation

All surfaces which are to receive Brushbond FLXIII coating must be free from oil, grease, wax, dirt or any other form of foreign matter which might affect adhesion. Surfaces shall be flat, smooth. Spalled and deeply disintegrated concrete should be removed to sound concrete and repaired with the Renderoc System.

### Mixing

The Brushbond FLXIII liquid concentrate is poured from the plastic container into the metal drum supplied and mixed mechanically with a slow speed drill (350-450 rpm). Add the powder component gradually to the liquid avoiding lump formation and mix for 4 - 5 minutes until a smooth consistent mix is achieved. Use the material within the recommended pot life.

Brushbond FLXIII Components	Mixing Ratio
<b>Powder:</b>	25
<b>Liquid:</b>	16.9

# Brushbond FLXIII

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## Application

Dampen the surface before coating with Brushbond FLXIII. Sweep excess water to avoid ponding on horizontal areas. Apply the properly mixed Brushbond FLXIII with a short, bristle brush preferably 120-200mm in width at the theoretical coverage of 0.8kg per sqm per coat to achieve coating thickness of 0.5mm in one coat. An overall coating thickness of 1mm is required.

The first coat of Brushbond FLXIII should be allowed to dry for 30 minutes to 1 hour prior to application of second coat of Brushbond as above.

## Limitation

Brushbond FLXIII white will have slight yellowing after curing. This is normal and will not affect waterproof property.

## Cleaning

Brushbond FLXIII should be removed from tools and equipment immediately after use with clean water. Hardened material can only be removed mechanically.

## Packaging

Brushbond FLXIII is supplied in the following packing:

<b>Powder:</b>	25 kg
<b>Liquid:</b>	16.9 kg in a pail

## Coverage

One 41.9 kg pack yields approximately 50 - 60 m<sup>2</sup> at about 0.5 mm thickness depending on surface conditions and water usage.

Allowances should be made for any possible wastage when estimating.

Note: In accordance with Commercial or Health & Safety requirements packaging detail may alter. Please contact your local Fosroc office for detail.

## Precautions

### Health and Safety

Gloves and goggles should be worn. Any splashes to the skin or eyes should be washed off with clean water. In the event of prolonged irritation, seek medical advice.

Powder products should be handled to minimise dust formation; use a light mask if excessive dust is unavoidable.

For further information see relevant Material Safety Data Sheet.

### Storage

Brushbond FLXIII has a shelf life of 9 months in unopened pack, kept in a dry store. In high humidity locations, the shelf life may be reduced to 6 months.

## Additional information

Brushbond FLXIII is specially formulated to meet the HOB specifications for flexible polymer modified waterproofing system.

Brushbond FLXIII is one of a wide range of surface coating specially designed and manufactured by Fosroc for the construction, civil engineering and mining industries.

Other product range includes Admixtures, Curing Membranes, Repair Mortars, Adhesives, Anchoring Resins, Joint Sealants and Waterproofing.

Brushbond is the trademark of Fosroc International Limited.

### Important note

Fosroc products are guaranteed against defective materials and manufacture and are sold subject to its standard Conditions for the Supply of Goods and Service, copies of which may be obtained on request. Whilst Fosroc endeavours to ensure that any advice, recommendation, specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation or information given by it.



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