

# BRUSHBOND FLX III

## High-technology polymer modified Cementitious waterproofing membrane system for concrete and masonry surfaces

### Uses

Brushbond FLXIII, when fully cured, provides a seamless elastic waterproof membrane for use in roof areas, 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 mix kits. When mixed, an easily brush able 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.

### Typical Properties

Pot life at 35°C	: approx. 1.5 hours
Elongation at Break (ASTM D412)	: >= 300 %
Tensile Strength (N/mm <sup>2</sup> ) (ASTM D412)	: 1.2 – 2 N/mm <sup>2</sup>

Water permeability

(DIN 1048 part 5) : NIL

Water absorption

(ASTM C642) : < 0.1%

Chloride Content

: Nil

### Instruction for Use

#### Preparation

All the surfaces which are to receive Brushbond FLXIII coating, must be free from oil, grease, wax, dirt, or any other of foreign matter which might affect adhesion. Disintegrated concrete should be removed to sound concrete and repaired with FOSROC PRODUCT, RENDEROC series.

#### Mixing

The **Brushbond FLXIII** liquid is poured from the plastic container into the metal or plastic pail. Mix mechanically using a slow speed paddle mixer (350 – 450 rpm). Add the powder component little by little to the liquid to avoiding lump formation and mix for 4 – 5 minutes until a smooth consistent mix is achieved.

Use the material in full 1 set, within the recommended pot life.

# BRUSHBOND FLX III

## Estimate Supply

BRUSHBOND FLXIII COMPONENT	Quantity
Powder	25.0 kg
Liquid	16.9 kg

## Application

For best results, damp the surfaces before coating with Brushbond FLXIII. Use a short, stiff bristle brush preferably 120 to 200 mm width, apply like a paint using 2 - 3 coats as required.

For trowel application, ensure that the substrate is levelled and repaired of any undulations or pot holes.

It is recommended for general re-surfacing, total coat should be minimum 1 mm thick for areas that are subjected to light foot traffic.

Coating of total 2 mm or thicker will be required for areas of moderate to heavy pedestrian conditions.

## Cleaning

Brushbond FLXIII should be removed from tools and equipment immediately after use with clean water.

Hardened material can only be removed mechanically.

## Coverage

The coverage at 1mm thickness is approximately 1.7 kg/m<sup>2</sup>.

Allowance should be made for any possible wastage when estimating.

## 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 product should be handled to minimise dust formation, use a light mask if excessive dust unavoidable.

## Storage

Brushbond FLXIII has a shelf life of 12 months in unopened pack with storage temperature 25-35 °C, RH: 55-65%. Avoid stored in outside area.

In higher humidity locations, the shelf life may be reduced to 6 months.

## Technical Service

The company provides a technical advisory service supported by a team of specialist in the field.

**FOSROC**



**PT.FOSROC  
Indonesia**

Jl.Akasia II Blok A8 No.1  
Delta Silicon Industrial Park  
Lippo Cikarang  
Bekasi 17550  
Indonesia

[www.fosroc.com](http://www.fosroc.com)

### 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 Services, copies of which may be obtained on request. Whilst Fosroc endeavours to ensure that any advice, recommendation, specification of 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 of information given by it.

**telephone:**  
+62 21 897 2104-06

**fax:**  
+62 21 897 2107

**email:**  
[Indonesia@Fosroc.com](mailto:Indonesia@Fosroc.com)