



# Brushbond Flex

## Flexible Polymer-Cementitious Waterproofing Membrane System

### Uses

**Brushbond Flex** when fully cured, provides seamless flexible waterproofing 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 wet or damp substrate
- Simple application, no primer required. Good adhesion to the concrete
- Flexible. Elastomeric properties will be able to bridge cracks
- Fast curing, will allow for foot traffics when cured
- Factory pre-blended two component system ensures quality control at site

### Description

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

**Brushbond Flex** is specially formulated from selected cement, 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.

### Physical Properties

Typical properties of Brushbond Flex are :

Pot life at 35°C	: 1 2 hrs
Mixed Density kg/m <sup>3</sup>	: 1.6
Adhesion to substrate	: > 1 N/mm <sup>2</sup>
Shore hardness at 25°C at 250C, 7 days cure	: 40
Elongation at Break (ASTM D412)	: > 50%
Tensile Strength (ASTM D412)	: > 1 N/mm <sup>2</sup>
Flexibility 25 mm Mandrel	: Pass

### Instruction for Use

#### Preparation

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

#### Mixing

The **Brushbond Flex** Liquid is poured from the jerrican container into the mixing vessel and mixed mechanically using a slow speed drill mixer (350 - 450 rpm). Add the powder component gradually to the liquid to avoid lump formation and mix for 4-5 minutes until smooth consistent mix is achieved. Mix proportion (Liquid : Powder) must be 1 : 2 by weight. Use the material within the recommended pot life.

#### Application

For best results, damp the surfaces before coating with **Brushbond Flex**. Use a short, stiff bristle brush preferably 120 to 200 mm in width, apply like a paint using one or two coats as required.

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

**Brushbond Flex** should be applied to the recommended coverage. It is recommended for general re-surfacing that each coat should be minimum 1 mm thickness and an additional 2 mm coating will be required for areas of moderate to heavy pedestrian conditions.

#### Cleaning

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

#### Packaging

**Brushbond Flex** is supplied in two component system in the following packaging :

Powder	: 20 kg in plastic bag
Liquid	: 10 kg in plastic jerrican

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## Coverage

The approximate coverage at 1.25 m<sup>2</sup> per kg for single coating. Recommended use is double coatings application. Allowance should be made for any possible waste when estimates the consumption.

## 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 Flex** has a shelf life of 12 months in unopened pack, if it is kept in a dry store. In high humidity locations, the self life may be reduced to 6-8 months.

## Technical service

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



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### Important note

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