



Specialist Construction Supplies for Repair, Maintenance, Building & Infrastructure

Brushbond FLXII Data Sheet

Specification notes

Product: **Brushbond FLXII**

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Fosroc® Brushbond FLXIII



High-technology polymer modified elastomeric 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 and 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 take occasional foot traffic when cured
- Factory pre-blended two component system ensures quality control at site
- Can be used internally or externally, to provide Type A (barrier) protection; as classified in BS8102:2009

Description

Brushbond FLXIII is a two component polymer modified waterproof membrane which is supplied in readymix 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, resilience, flexibility, toughness and durability.

Properties

Pot life at 20°C	: Approx. 1 hour
Adhesion to substrate (ASTM D4541:1989)	: 1.4 N/mm ²
Shore A hardness (ASTM D2240:1997)	: 89
Tensile strength (N/mm ²) (ASTM D412-91)	: 2.63N/mm ²
Elongation at break (ASTM D412-91)	: 43%
Water Permeability (DIN 1048:Pt 5: 1991)	: Nil
Crack bridging	: Passed
Low Temperature Flexibility (ASTM C 765:1993)	: Passed
Setting time *- Foot traffic	: 4 hrs ± 1 hr

Note*: On clean dry concrete, with adequate airflow (ventilation) at 20°C to 25°C

Instructions for use

Preparation

All surfaces which are to receive a Brushbond FLXIII 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 using the Fosroc Renderoc System.

Mixing

The Brushbond FLXIII Liquid is poured from the plastic container into the metal drum supplied and mixed mechanically with a slow speed drill (350-450 rpm) fitted with a Fosroc Mixing Paddle (MR3). The powder component should be added gradually to the liquid avoiding lump formation and mixed for 4-5 minutes until a smooth consistent mix is achieved. Use the material within the recommended pot life.

Application

For best results dampen the surface before coating with Brushbond FLXIII. 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 FLXIII should be applied at the following thickness:

It is recommended that general re-surfacing and areas subjected to light foot traffic should receive a Brushbond FLXIII in two coats of 500 microns each to give a 1mm thick coating.

Cleaning

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

Limitations

Brushbond FLXIII should not be applied if the air or substrate temperature is greater than 40°C. This may result in different colour shades. Minimum application, substrate and air temperature is 3°C and rising. Avoid freezing conditions for 24 hours after application.

Estimating Supply

Powder	: 15 kg
Liquid	: 10 kg

Coverage and Yield	14.5 litres / pack
Brushbond FLXIII kit	: 14.5m ² /pack applied at 1mm thick (2 coats of 500 microns thick)

Note: Coverage figures are theoretical and due to wastage factors and the variety nature of possible substrates, practical coverage will be reduced.

Fosroc®

Brushbond FLXIII

Storage

Brushbond FLXIII has a shelf life of 12 months from the day of manufacture if kept in dry storage in the original, unopened containers. If stored at high temperature/humidity, the shelf life may be reduced to less than 6 months.

Liquid containers should be kept from freezing and stored in a frost free environment.

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 unavoidable.

For further information refer to appropriate Product Safety Data Sheet.

Note

For porous substrate (Gypsum board) application, Nitobond PVA should be applied to seal the surface followed by the application of Brushbond FLXIII.

* Denotes the trademark of Fosroc International Limited

† See separate data sheet

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Important note

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