



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 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

Standards compliance

Brushbond FXIII(III) conforms to the requirements of:
 German DIN 1048 Part 5,1991
 ASTM E96:95
 ASTM D412:91
 ASTM D2240:91
 JC/T 894-2001 Type I
 JC 1066-2008
 Q/(GZ)FSL1-2006

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.

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.

Typical Properties

Solid content:	≥70%
Drying time:	
Tack free time	≤4 hours
Initial hardness	≤10 hours
Tensile strength:	≥1.5Mpa
Elongation at break:	≥150%
Hydrostatic test at water pressure of 0.3MPa for 30 mins:	No penetration
Bonding strength to damp substrate:	≥1.0Mpa
Low Temperature Flexibility: (-10°C, 10mi n)	No crack

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. 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 drum into a suitable container (about 30 litres) 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.

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

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

The application direction for two coats should be vertical.

More details, please refer to the relevant method statement.

Brushbond FLXIII*

Cleaning

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

Estimate

Supply

Brushbond FLXIII is supplied in the following packing:

Appearance/Color	Package
Powder	25kg
Liquid	16.9kg
Total	41.9kg

Coverage

One set of 41.9kg can cover 50 m² at about 0.5 mm thickness depending on surface conditions.

Allowances should be made for any possible wastage when estimating.

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.

Brushbond FLXIII should be stored between 5°C and 35°C with unopened package. Keep away from heat and fire. If stored under high temperature, the shelf life may be reduced.

The liquid component is emulsion and should be away from frost.

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.

Fire

Brushbond FLXIII components are non-flammable.

For further information, refer to the product Material Safety Data Sheet.

Disposal

Spillages of materials should be absorbed onto sand, earth or vermiculite and transferred to suitable containers. Contaminated areas will become slippery therefore care must be exercised.

The disposal of excess or waste material should be carried out in accordance with local legislation under the guidance of the local waste regulatory authority.

For further information see relevant Material Safety Data Sheet.

* Denotes the trademark of Fosroc International Limited

† See separate data sheet



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