Brushbond comprises a two component acrylic polymer modified cementitious coating supplied in ready to mix kits. Brushbond can be simply applied by stiff brush, roller, spray or trowel to obtain the desired texture.

Note: For potable water applications, please refer to Nitocote CM210 and Brushbond FLX III datasheets.
Fosroc Brushbond

**Specification**

**Acrylic polymer modified protective/decorative coating**

The protective coating shall comprise specially selected cements, graded hardwearing aggregates and additives supplied in powder form together with a liquid component of blended acrylic co-polymers and wetting agents. The total dry film thickness of the coating shall be not less than 2 mm and shall be capable of providing resistance to wear and weather and good chemical resistance to mild inorganic acid solution, diesel oil, gasoline, chlorides, de-icing salts, effluents and organic solvents.

**Instructions for use**

**Preparation**

All surfaces should be dry and free from contamination such as oil, grease, loose particles, decayed matter, laitance, and all traces of mould release oils and curing compounds. This is best achieved by lightly grit-blasting the surface.

Where moss, algae or similar growths have occurred, treatment with a proprietary biocide should be carried out after the grit-blasting process.

Spalled and deeply disintegrated concrete should be removed to sound concrete and repaired with a Fosroc repair system. For further advice, consult the local Fosroc office.

It is essential that all surfaces to be treated be pre-soaked with clean water prior to application of Brushbond.

**Mixing**

Brushbond liquid should be poured from the plastic container into the metal drum provided. For brush application consistency mix with a slow speed drill (500 r.p.m.) fitted with a Fosroc Mixing Paddle (MR3).

The powder component should be added gradually to the liquid to avoid lump formation and mixed for 2 to 4 minutes.

Brushbond should be immediately used after mixing. Do not mix more material than can be used within the pot life. Keep mixing Brushbond during the application.

**Application**

Application of Brushbond on hot substrates (i.e. over 40°C surface temperature) will need the prior application of a primer coat. Mix Brushbond and water in slurry like consistency and apply Brushbond over the primer whilst it is still wet.

For best results, surfaces should be damp. In order to obtain the protective properties of Brushbond, it is important that the correct rates of application are observed.

Use a short stiff brush (preferably 120 - 200mm width) and apply in one or two coats as required.

Spray applications should use the correct mixing ratio to obtain satisfactory consistency. In hot climatic conditions, it is likely that spray application will be the best for exterior decorative finishes. Nozzle size should be 3-4mm and pressure of 6-8 bars should be used.

It is recommended that for general resurfacing each coat should be 1mm thick. Areas subjected to light foot traffic should receive at least 2mm thickness of Brushbond and an additional 2mm should be applied if conditions are moderate to heavy pedestrian traffic.

If in doubt about the condition of the substrate, the local Fosroc office should be consulted.

**Cleaning**

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

**Limitations**

- Where subsequent coatings or paints are required, trials should be conducted to ensure compatibility. For further advice, consult the local Fosroc office.

- Brushbond should not be applied if the air or substrate temperature is greater than 45°C. This may result in different colour shades.

- Brushbond should not be applied if the temperature of the substrate is below 5°C.

- Brushbond should not be applied where there is a likelihood of exposure to frost within 48 hours of the application.

- Brushbond should not be applied in windy conditions where early-age dust adhesion may occur, or where rain is likely within 2 hours at 20°C or 20 hours at 5°C (up to 80% RH).
Fosroc Brushbond

Technical support
Fosroc offers a comprehensive technical support service to specifiers, end users and contractors. It is also able to offer on-site technical assistance, an AutoCAD facility and dedicated specification assistance in locations all over the world.

Estimating

Supply

<table>
<thead>
<tr>
<th>Industrial kit</th>
<th>27 kg (14 ltr) pack consisting of:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Powder</td>
<td>20 kg bag</td>
</tr>
<tr>
<td>Liquid</td>
<td>7 kg pail</td>
</tr>
</tbody>
</table>

Coverage

| Brushbond | Theoretical 14 m²/pack 1mm thickness - Due to wastage factors and the variety and nature of possible substrates, practical coverage figures will be reduced. |

Storage

Shelf life is 12 months in unopened packs. Store between 35°C and 10°C in a shaded environment. Protect the powder component from sources of moisture and humidity. The liquid and powder components must not be allowed to freeze.

Precautions

Health and safety

Brushbond contains cement powders which, when mixed or become damp, release alkalis which can be harmful to the skin. During use, avoid inhalation of dust and contact with skin and eyes. Wear suitable protective clothing, gloves, eye protection and respiratory protective equipment. The use of barrier creams provide additional skin protection. In case of contact with skin, rinse with plenty of clean water, then cleanse with soap and water. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately - do not induce vomiting.

Fire

Brushbond components are non-flammable.

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

Additional Information

Fosroc manufactures a wide range of complementary products which include:

- waterproofing membranes & waterstops
- joint sealants & filler boards
- cementitious & epoxy grouts
- specialised flooring materials

Fosroc additionally offers a comprehensive package of products specifically designed for the repair and refurbishment of damaged concrete. Fosroc’s ‘Systematic Approach’ to concrete repair features the following:

- hand-placed repair mortars
- spray grade repair mortars
- fluid micro-concretes
- chemically resistant epoxy mortars
- anti-carbonation/anti-chloride protective coatings
- chemical and abrasion resistant coatings

For further information on any of the above, please consult your local Fosroc office - as below.

* Denotes the trademark of Fosroc International Limited
† See separate data sheet

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. All Fosroc datasheets are updated on a regular basis. It is the user’s responsibility to obtain the latest version.