

Dr. Fixit Fastbond

TWO PART CEMENTITIOUS POLYMER MODIFIED WATERPROOF

Description

Dr. Fixit Fastbond is a flexible, waterproofing cement based material. With special waterproofing properties, easy to use by plastering / applying by using a brush, or trowel. Can be painted after mixing the two parts together, the liquid material can be applied on the desired surface. After drying, it looks like a rubber sheet. It has the ability to prevent water seeping through, seamless and flexible, not cracking.

Dr. Fixit Fastbond is a 2-component cement-based waterproofing material, which is powdered (fine sand, cement, sizing), liquid (acrylic modified polymers) and non-additives. Environmentally friendly toxins, volatile organic compounds (VOC)

Area of Application

- Concrete foundations, basements wall and lift pits.
- Swimming pools, water tanks and reservoirs.
- Concealed roofs, parking decks, bathroom, toilet, kitchen, balconies and planters.
- Any other concrete, cement or masonry surface subject to damage from moisture.

Rate of uses

* **Theoretical consumption without allowance for loss.**

Rate of uses		
	Kg/m ²	m ² /Set (22.5 kg)
	Standard	
1 coat	1.10	20
2 coats	2.20	10
Total 2 coats	2.20	10

Thickness

Thickness (micron)			
	Standard	At Least	At Most
1 coat	400	375	425
2 coats	400	375	425
Total 2 coats	800	750	850

Method of Application

1. Surface Preparation

- Allow new concrete and masonry substrate to fully cure prior application.
- All surfaces must be free from oil, grease, wax, dirt or any other form of foreign matter which might effect adhesion. Spelled Concrete must be sound before applied.
- Substrate should be reach a "Saturated Surface Dry" (SSD) condition (damp, without standing water)

2. Mixing

- Using Portland mechanical mixer, slowly add Powder part to Liquid part in a clean container until a smooth and homogenous slurry mixture is achieved.

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- Allow the mixed slurry to stand for 5-10 minutes for releasing air-trapped during the mixing prior to application. Mixing material must be use within recommend pot life.

3. Applications

- Dr. Fixit Fastbond** slurry can be applied by brush or trowel. **DO NOT** dilute with water. Recommended coverage rate is approximately 1.1 kg./m²/coat for 0.8 mm. (minimum 2 coat.)
- Allow the slurry to cure for at least 1 hour before applying a second coat.

4. Curing

- For maximum protection, allow 12 to 24 hours curing time after the second coat.
- Dr. Fixit Fastbond** requires at least 7 days before filling water tanks with water as well as mock-up or ponding tests on site.

5. Cleaning

- Dr. Fixit Fastbond** can be removed from tools and equipment immediately after use with clean water, only hardened material can remove mechanically.

Technical Information

Properties	Specification / Standard	Results
1.Mix Component	-	Mix Ratio 1 : 3.5 (A : B)
2.Proprietary Polymer by FTIR	ASTM D3677	Modified acrylic polymer
3.Pot Life	-	1 hr.
4.Adhesion to Substrate	ASTM D 4541	0.8 N/mm ²
5.Adhesion to Concrete at 7 days	ASTM D 4541	1.30 N/mm ²
6.Immersion in Water Adhesion to Concrete at 7 days	ASTM D 4541	1.45 N/mm ²
7.Touch Dry	-	25 mins.
8.Hard Dry	-	1 hr.
9.Water Absorption for 24 hour Change in mass on one surface, kg/m ²	ASTM D 417	<0.8
10.Tensile Strength	ASTM D 412	>0.7 MPa
11.Elongation at Break (cure 7 days)	ASTM D 412	<0.2
12.Bond Strength to concrete by slant -At 7 days	ASTM C882	>1.7 MPa
13.Chloride Content		No Chloride Content

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Precautions & Limitations

- **Dr. Fixit Fastbond** is not suitable for traffic area application.
- **Dr. Fixit Fastbond** is a pre measure package. Do not dilute with water or add any more sand or cement.

Packing

- 22.5 kg./set (Liquid + Powder)

Storage

- 12 month storage in sealed container and room temperature

Health & Safety Precautions

- Non Flammable.
- Avoid contact with skin and eyes. Any splashes to the skin or eyes should be washed off with clean water
- Wear mask when mixing.
- Wear protective gloves and eye protection when applied.

Disclaimer

The product information and the recommendations relating to the application and end-use of Dr.Fixit products, are based on Dr.Fixit's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Dr.Fixit's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Dr.Fixit reserves the right to change the properties of its products without notice, so the company does not assume liability of any legal from this product information.



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