

# Dr. Fixit Super Latex

ACRYLIC 100% BONDING AGENT FOR REPAIR & WATER PROOFING

## Description

**Dr. Fixit Super Latex** is based on acrylic 100% bonding agent supplied as a ready to use bonding agent in liquid consistency. It reduces shrinkage, prevents cracking, prevents dust pick up and improves abrasion resistance.

**Dr. Fixit Super Latex** bonds strongly to old & new concrete and to plasters and used for repair of spalled concrete.

## Area of Application

- Repair structural concrete, fixing or re-fixing of slip bricks, tiles, stones & marble bedding, waterproofing and as a bond coat

## Rate of Uses

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

Rate of Uses						
	Litre / m <sup>2</sup>			m <sup>2</sup> / gallon (1 Litre)	m <sup>2</sup> / gallon (5 Litre)	m <sup>2</sup> / pail (20 Litre)
	Standard	At Least	At Most			
1 Coat	0.23	0.20	0.25	4	21	86
<b>Total 1 Coat</b>	<b>0.23</b>	<b>0.20</b>	<b>0.25</b>	<b>4</b>	<b>21</b>	<b>86</b>

## Method of Application

### 1 Surface Preparation

- Clean the surface with wire brush or scrubber to remove hidden dirt, loose particles, laitance & dust. Degrease the surface by using suitable solvents.
- Repair the concrete spalled portion by saw, cutting the extreme edges of the repair location to a depth of at least 10 mm to avoid featheredging & to provide strong substrate.
- Clean the concrete surface to remove any contamination where breaking is not possible. Roughen the surface by light scrubbing or grit blasting.
- Expose corroded rebar in the repairing area fully. Remove all loose scales & corrosion deposits and immediately clean the surface.

### 2. Priming

- For priming of steel surface, apply one coat of Dr. Fixit Super Latex to all exposed reinforcement area & allow it to dry before second coat application.
- For priming of concrete substrate, the surface should be thoroughly saturated with potable water. Remove any excess of water prior to application ratio. Slowly mix cement with binder to obtain a smooth consistency. Continue mixing the slurry during application to prevent settlement.

### \*\* For bond coat application

- Apply Dr. Fixit Super Latex to prepare substrate by brush at rate 4-5 m<sup>2</sup> per ltr.
- After applied wait until Dr. Fixit Super Latex form tacky, then applied other cementitious application.

### 3. Mixing

- A forced action mixer is essential (PAN Mixer) & recommended to ensure that Dr. Fixit Super Latex mortar is thoroughly mixed. Use a suitable sized drum with heavy-duty electrical drill machine fitted with spiral paddle mixer at slow speed of 400-500 rpm.
- Hand mixing is permissible only for 25 kg or less quantity.

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- Charge the mixer with required quantity of clean & dry sand, cement & mix for 1-2 minutes, then add Dr. Fixit Super Latex as per the doses recommended. Mix for 2-3 minutes to avoid air entrapment. Keep on slowly adding water until the required consistency is achieved. Do not add extra water.

### 4. Applications

- Wide range of mix designs are recommended for different application using Dr. Fixit Super Latex

#### 1 Bonding agent for rendering/ Bonding between old and new concrete

##### Mixing Ratio

Dr. Fixit Super Latex with water = 1:1 by volume (or by weight)

All Method Working (Except spray) to coating primer (Bonding coat)

Dr. Fixit Super Latex with water (Ratio 1:1)

With cement on surface by brush.

Coating with mortar on bonding with wet on wet.

Usage: Coating bonding in area 1m<sup>2</sup>. thickness 1 mm. Then Dr. Fixit Super Latex 1liter with have area 4.76 m<sup>2</sup>

#### 2 Floor screeds/renderers

##### Ratio

Dr. Fixit Super Latex	0.8 (ltr.)
(Water)	3.2 (ltr.)
(Cement) OPC#1	5.6 (kg.)
Sand (Size) ≤ 3.0 mm.	14.1 (kg.)

*Ex. (Cement) OPC#1 50kg. Sand (Size) < 3.0 mm. 125kg. Water 30 litre. Dr. Fixit Super Latex 7 litre.*

*Note that this depends on the amount of cement used in each species.*

Usage: Coating for waterproofing concrete surfaces in one square meter area at a thickness of 10 mm

Application: The mixture was coating repair, concrete finishing, and wet thickness of about 10 mm to 10 mm over the coating to coating layers. On the skin with moisture at all times.

### Precautions & Limitations

- Do not add extra water or more than recommended dosage.
- Recommended dosage to be followed to achieve desired results.

### Technical Information

Properties	Standard/Test Method	Results
Appearance	-	White Milky Flow able Liquid
Specific gravity	-	1.01+/- 0.02
pH	-	7 to 9
Compressive strength	BS6319 part2:1983	35 N/mm <sup>2</sup>
Tensile strength	ASTM C-190-85	3.3 N/mm <sup>2</sup>
Flexural strength	-	11+/- 2 N/mm <sup>2</sup>
Bond strength	-	30 N/mm <sup>2</sup>
Chemical resistance	-	Resists mild acids, alkalies, sulphates.

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<b>Resistance to water pressure</b>	-	Up-to 2 bar	
<b>Bond Strength by Slant Shear by bond coat</b>	ASTM C-882	Control	Sample Result
<b>-14 days</b>		3.22	4.78 MPa
<b>-28 days</b>		4.43	6.02 MPa
<b>Bond Strength by Slant Shear by mix Concrete</b>	ASTM C-882	Control	Sample Result
<b>-14 days</b>		2.73	4.63 MPa
<b>-28 days</b>		3.25	5.73 MPa

## Packing:

; 1ltr, 5ltr, 20ltr.

## Storage

- Shelf life is 12 months from the date of manufacturing.
- Store in a cool & dry place in unopened condition (Prevent from direct sunlight).

## Health & Safety Precautions

- Cementitious mortars & slurries modified with Dr. Fixit Super Latex when mixed or when become damp, may release alkali which can be harmful to skin & eye.
- Wear suitable protective clothing, gloves, eye protection and respiratory protective equipment during application.
- In case of contact with skin, with eyes, rinse with plenty of clean water and then cleanse with soap water.

## 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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