

# DR. FIXIT DENZI BLOCK

Polymer modified Lithium Silicate concrete treatment that blocks moisture

## DESCRIPTION

**Dr.Fixit Denzi Block** helps prevent blistering, peeling of water proofing, paints, and other coatings that result from rising water /vapor. It also helps preventing "popping" ceramic tiles and parquet.

**Dr.Fixit Denzi Block** is a polymer modified lithium silicate concrete primer and surface conditioner. It fills concrete pores with and stops capillary action that brings water and efflorescence to concrete surface. **Dr.Fixit Denzi Block** also reduces the risk of alkaline silicate reactions (ASR).

## AREA OF APPLICATION

As primer and surface conditioner before applying:

- Paints, Water Proofing, Coatings

On concrete:

- Walls, floor, reinforced concrete water tank, lift Well, concrete foundation, retaining wall, underground structure, basement, roof, and terrace.

## RATE OF USES

\* Theoretical consumption without allowance for loss.

Rate of uses					
	Liter/m <sup>2</sup>			m <sup>2</sup> /gallon (5 litre)	m <sup>2</sup> /pail (20 litre)
	Standard	At Least	At Most		
<b>1 Coat</b>	<b>0.25</b>	<b>0.20</b>	<b>0.30</b>	<b>20</b>	<b>80.00</b>

## METHOD OF APPLICATION

**Dr.Fixit Denzi Block** is applied any time after concrete is fully set.

### 1. Surface Preparation

- Concrete surfaces must be clean, strong, free of all loose dirty materials, and dust free, oil stain, wax, liquid coating/paint, concrete agent, grease or other stains that would affect adhesion.
- If the surface is a basin with water Or very rough To extract the surface of the basin to be rough And to make the skin smooth and smooth by using plaster for pouring, adjusting the surface to be smooth with **Dr. Fixit Unitop SLC-1**, then wait for the skin to dry completely at least 7 days before further work

### 2. Application

- Apply **Dr.Fixit Denzi Block** at 0.2 – 0.3 kg/sqm./coat with brush or roll (Depending on surface conditions)
- Porous surface must be apply **Dr.Fixit Denzi Block** 1 coat, leave coat to dry completely 1-2 hours before applying the next step and allow the coating to cure for 24 hours.

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## PRECAUTION & LIMITATIONS

- Lithium Silicate will freeze. It is recommended to store in an area between 5 °C to 50°C.
- Do not puddle or apply in thick coats.(Wet film thickness maximum 1 mm.) Too thick coat will have skinning effect and coating cannot penetrate the concrete. Pick up the skin and roll coating for good film appearance.
- Lithium Silicate is harmful if swallowed. Follow recommended safety guidelines.
- Coverage rates depend upon many conditions including application method, surface porosity, applicator, etc.
- The use of highly alkaline or acidic cleaners on the treated surface is not recommended and can be damaging.
- Protect metal, glass, wood, brick, and painted surfaces. Wash immediately with clean water if contact occurs.

## TECHNICAL INFORMATION

Properties	Standard/ Test Method	Result
1.Appearance	-	Milky Liquid
2.Solid Content	-	18.5-20.0
3.(Brookfield RV#1, 100 rpm),cps	-	0
4.pH at 25°C	-	10-11.5
5.Thermal Shock Test (3 cycles) Temperature -30°C - +30°C	-	No abnormality in appearance.
6.Testing hardened concrete depth of penetration of water under pressure	(BS EN 12390-8:2009)	10 Bar / No leakage. 15 Bar / No leakage. 20 Bar / No leakage.
7.Lead	%w/w of non-volatile matter	<0.001
8.Cadmium		<0.001
9.Hexavalent chromium		<0.0005
10.Mercury		<0.001

## DRYING AND CURING TIME

Substrate temperature	10 °C	25 °C	30 °C	40 °C
Surface (touch) dry, hrs.	1.5	1	45 min	40 min
Dry to over coat, minimum, hrs.	2.5	2	1	1
Dried/cured for service, hrs.	168	168	168	168

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## CLEANING

Immediately wash equipment and tools with water after application.

## PACKING

- Gallon 5 Liter.
- Drum 20 Liter.

## SHELF LIFE & STORAGE

- 1 year in sealed container kept under shaded and dry area.

## HEALTH & SAFETY PRECAUTION

- Safe to use.
- Avoid touching with skin and eyes.
- Wear respirator, google, protective clothing.

## 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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