

## DAMPROOF COATING FOR INTERNAL WALLS, CEILING AND RCC WATER TANKS

### Description

**Dr. Fixit Dampguard** is a two-component coating composed of epoxy resin, curing agent, inert pigments & properly selected fine fillers, additives in water as a medium. It has an advantage of dilution with water for application over cementitious surfaces. It is used as internal coating for the waterproofing treatments of water tanks and building walls because it can be applied over damp surfaces, has excellent water resistance, adhesion, hardness & toughness and sets faster similar to solvent based epoxy formulations.

### Areas of Application

- Waterproofing treatment for RCC water tanks.
- Internal damp wall treatments & also for ceiling.
- Primer for painting on internal & external surfaces.
- Toilet, kitchen walls & Lift pits.
- As putty with OPC- White cement to fill the fine cracks of internal walls.
- In sterile areas of pharma, food industries & hatcheries.

### Features & Benefits

- **Economical** - Water dilutable with high coverage hence economical.
- **Application advantage** - Being water based it can be applied over damp concrete & plaster surfaces and provides excellent water resistant coating.
- **Permeability** - Reduces water absorption & permeability.
- **Adhesion** - Provides excellent adhesion to all cementitious substrates
- **Film properties** - Forms tough, hard & flexible coating.
- **Chemical resistant** - Excellent resistance to water, salt water, mild acids, alkalis & soap water.
- **Water pressure** - Can be applied from both sides of water pressure.
- **Toxicity** - It is Non-toxic
- **Eco-friendly** - Non-hazardous and non-flammable.
- **Primer** - Can be used as a primer for water based & solvent based paints.
- **Microbial resistant** - Possesses anti-fungal property and is resistant to micro-organisms.

### Method of Application

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#### 1 SURFACE PREPARATION

- Clean the surfaces thoroughly, they should be free from oil, grease, dust, debris, fungus and moss.
- Thorough wire brushing followed by sanding with emery paper is recommended.
- Remove the existing paint, neroo or instant lime, etc. while treating internal damp walls.

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#### 2 MIXING

- First stir the Base and Hardener thoroughly in their individual packs to achieve the uniform consistency.
- Pour the Base part in appropriate container followed by the Hardener part and mix them thoroughly together to a homogeneous smooth paste.
- Dilute the mixed compound with water (In ratio of 1 part Base: 1 part Hardener: 1 part water) by slow addition and mix it thoroughly until a brushable consistency is obtained.

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### 3 APPLICATION

#### • **Waterproofing of RCC water tanks**

- Firstly fill all the cracks, prepare a groove in the crack 1 mm to 5 mm. Clean the dust by washing it with water.
- Fill the cracks & grooves with Dr. Fixit Dampguard and cement modified putty & allow it to dry for at least 24 hours.
- Apply the first brush coat of mixed quantity of Dr. Fixit Dampguard. Allow drying for 6 to 8 hrs.
- In case of several leakage problems due to more cracks on the walls, apply Dr. Fixit Dampguard - OPC white cement Putty on the entire surface area. Allow it to dry for at least 24 hours.
- Apply second brush coat of mixed Dr. Fixit Dampguard. Allow it to cure completely for 24 hours before applying a cement sand plaster on wall or a screed on floors.
- The treatment of Dr. Fixit Dampguard can also be kept open, as the product possesses the non-toxic property. In such situations allow it to cure for minimum 3-4 days prior to storage of the water. The treatment of Dr. Fixit Dampguard then must be cleaned with the help of damp cloth or sponge and with plenty of water prior to storage of the water.

#### • **Dampguard Putty Preparation**

- Mix DR. FIXIT DAMPGUARD (1 part Base & 1 part Hardener) thoroughly, add 2 parts of Ordinary Portland Cement or white cement and add required amount of water to get a plaster like consistency.

#### • **Damproofing of Vertical Internal Walls:**

##### SURFACE PREPARATION

- Clean the existing substrate as mentioned earlier in the surface preparation section.

##### APPLICATION

- Apply two brush coats of mixed Dr. Fixit Dampguard at an interval of 6 hours.
- Allow it to dry for minimum 24 hours before applying a cement sand plaster on walls before painting. Dr. Fixit Dampguard modified putty can also be used in case of cracks observed on internal damp walls.

### **Precautions & Limitations**

- Not meant for rising dampness.
- All previous coatings to be completely removed before application of Dr. Fixit Dampguard..
- Do not over dilute the product.
- Dr. Fixit Dampguard when applied on exterior surfaces must be overcoated by weather durable coatings.
- Avoid application below 10°C.
- Use nylon brush for easy brushability.
- Should not be applied on painted surfaces.
- Not resistant to acids and alkalis of higher concentrations (usable up to 5% concentration) and for longer period.
- Drying time depends on the condition of damp surfaces and temperature.
- Before mixing stir the individual packs to achieve uniform consistency..

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### Technical Information

PROPERTIES	SPECIFICATION	RESULTS
Nature		Two component
Mixing ratio, By weight (Base : Hardener : Water)		1:1:1
Consistency		Free flowing smooth paste
Pot life at 30°C, Minutes		60-90
Surface drying time at 30°C, Hrs		5-6
Intercoat periods, at 30°C, Hrs		6-8
Water absorption at 38°C	ASTM C 870 : 90	Nil
Adhesion strength, N/mm <sup>2</sup>	ASTM D 4541:02	2.5 (Failure occurred in the system)

### Coverage

- Dr. Fixit Dampguard as a coating: 7.5 to 8.5 m<sup>2</sup> Per kg per coat
- Dr. Fixit Dampguard + OPC Cement putty: 0.6 to 0.8 m<sup>2</sup> per kg per coat
- **Packaging** 500 gm & 1 kg

### Shelf Life & Storage

- Shelf life is 12 months from the date of manufacturing in unopened conditions.
- Store in a cool & dry place.
- Keep away from the direct sunlight.

### Health & Safety Precautions

- **Skin Contact:** Wash skin with soap & water. Remove contaminated clothes.
- **On eye contact:** Immediately splash eyes with plenty of water. Consult Physician if irritation persists.
- **Ingestion:** Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a Physician.

### Other Product Categories Available

DR. FIXIT has wide range of Waterproofing & Construction chemicals which includes,

- Waterproofing Products
- Repair Products
- Sealants
- Flooring Products
- Exterior Coating Products
- Tile Fixing Range
- Concrete Admixtures
- Grouts



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