

Dr. Fixit Dampguard



DAMP-PROOF COATING FOR INTERNAL WALLS 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 an internal coating for the damproofing treatments of water tanks with anti-microbial anti fungal properties. It has excellent water resistance, adhesion, to concrete surface hardness and sets faster.

Typical Application

- Damproofing treatment for RCC water tanks.
- Internal damp wall treatment.
- As putty with OPC- White cement to fill the fine cracks of internal walls.
- In sterile areas of pharma, food industries & hatcheries etc.

Features

- **Application advantage** - It can be applied over damp concrete & plaster surfaces and provides excellent water resistant coating with tough & hard film.
- **Microbial resistant** - Possesses anti-fungal property and is resistant to micro-organisms.
- **Adhesion** - Provides excellent adhesion to all cementitious substrates.
- **Chemical resistant** - Excellent resistance to water, salt water, mild acids, alkalis & soap water.
- **Toxicity** - It is Non-toxic.
- **Eco-friendly** - Non-hazardous and non-flammable.
- **Economical** - Water dilutable with high coverage hence economical.
- **CFTRI Certified** - Safe for drinking / Potable water contact.

Packaging

500 gm, 1 kg & 200 kg

Method of Application

1 SURFACE PREPARATION

- Clean the surfaces thoroughly, it should be free from oil, grease, dust, dirt, 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.

2 MIXING

- 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 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 to get a brushable consistency.

3 APPLICATION

Damproofing of RCC water tanks

- Fill the cracks & grooves with Dr. Fixit Dampguard and cement modified putty & allow it to dry for at least 24 hours.
- Apply a coat of Dr. Fixit Dampguard. Allow to dry for 6 to 8 hrs.



- Apply second coat of Dr. Fixit Dampguard. Allow it to cure completely for 7 days.
- The coating of Dr. Fixit Dampguard then must be cleaned thoroughly with plenty of water 6-7 times prior to storage of the water to avoid foam formation.

Dr. Fixit Dampguard Putty Preparation

In case of severe dampness and persistent problems use a coat of putty prepared with Dampguard as directed below.

- Stir the contents of both base and hardener individually to achieve uniform consistency for each.
- Mix base and hardener together and mix thoroughly to achieve homogenous mixture.
- Mix 1 part of prepared Dampguard with one part of cement and stir well to achieve a proper consistency of putty.

Damp-proofing of Internal Walls:

1 SURFACE PREPARATION

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

2 APPLICATION

- Apply two brush coats of mixed Dr. Fixit Dampguard at an interval of 6 to 8 hours.
- Allow it to dry for minimum 24 hours before proceeding for painting.
- In case of severe dampness problems, apply Dr. Fixit Dampguard - OPC white cement Putty on the entire surface area before application of Dr. Fixit Dampguard.

Precautions & Limitations

- Not recommended for rising dampness.
- Do not apply directly on neroo or POP. Removal upto plaster level is necessary.
- Do not dilute with water more than recommendation.
- Do not apply below 10 deg celsius.
- Do not apply directly on paints.
- Curing of coating depends upon the humidity and ventilation.
- In case of water tanks rinsing with plenty of water is required before filling with water to avoid foaming.

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		40 minimum
Surface drying time at 30°C, hrs		1-5 hrs.
Intercoat periods, at 30°C, hrs		6-8
Water absorption at 38°C	ASTM C 870 : 90	Nil
Adhesion strength, N/mm ²	ASTM D 4541 : 02	2.5 (Failure occurred in the system)



Theoretical Coverage

- Dr. Fixit Dampguard as a coating: 6 to 8 m² per kg per coat.
- Dr. Fixit Dampguard + OPC Cement putty: 0.6 to 0.8 m² per kg per coat.
- * Coverage depends upon the nature & texture of the surface.

Shelf Life

Shelf life is 12 months from the date of manufacturing if stored in original and unopened packaging in a cool dry place away from direct sunlight.

Health & Safety

- **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.

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Pidilite Industries Limited
Construction Chemicals Division
Ramkrishna Mandir Road, Post Box No. 17411
Andheri (E) Mumbai 400059 INDIA
Tel +91-22-2835 7000 • Fax +91-22-2835 7008
www.drfixit.co.in • info@drfixit.co.in

Dr. Fixit Advice Centre (Toll Free No.) 1800 209 5504

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