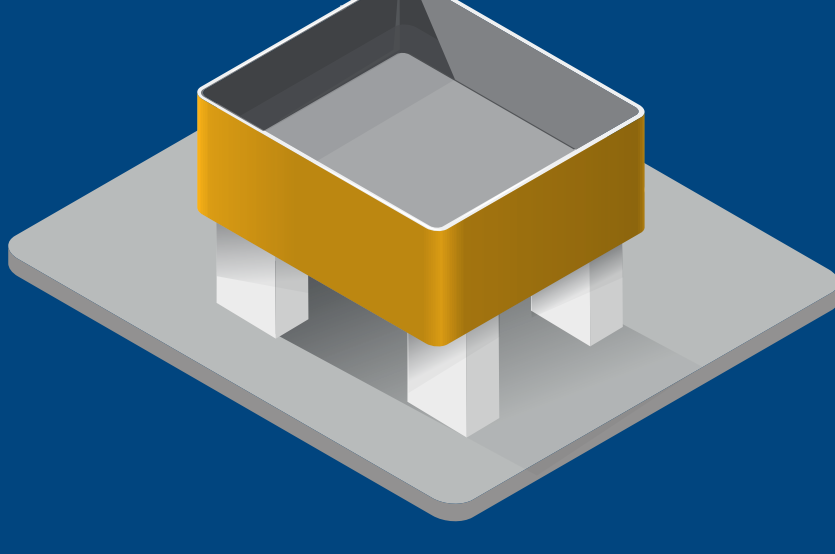


WATERTANK WATERPROOFING



• WHY THIS HAPPENS •

- Concrete being a Porous material, it absorbs water and may leads to water leakage.
- Due to excess usage of water in concrete, it shrink and cracks. These cracks are entry points for water leakage.
- Underground water tanks are susceptible to water entry from external sources (underground water pressure especially during rainy season).
- Concrete being inflexible/rigid material is unable to withstand structural movements and tends to crack.
- Constant water pressure in the tank makes it susceptible to leakage.

Solution

DR. FIXIT PIDIFIN 2K & DR. FIXIT DAMPGUARD CLASSIC



• Why choose Dr. Fixit Pidifin 2K & Dampguard Classic •



Creates a thick layer of 1 mm film thickness, which does not allow water to pass



Excellent adhesion to concrete and masonry surfaces



Flexible coating accommodates cracks up to 1 mm with an elongation up to 50%



Excellent resistance to entry of water



Non-toxic



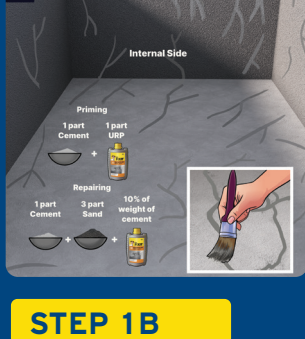
CFTRI-approved and safe for food/potable water contact

• How to Apply •



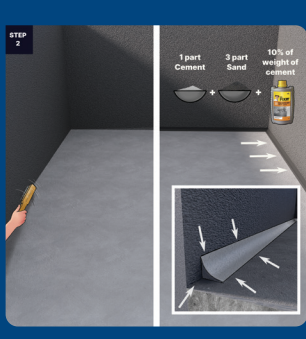
STEP 1A

For Underground Water-tank: External side: Clean surface thoroughly. The underground structure should be protected with damp proof coating from external side by applying Dr. Fixit Bitufix damp proof coating as primer + 2 coats of Dr. Fixit Bitufix @ 20 sq.ft/litre coverage for 2 coats.



STEP 1B

For Underground/Overhead Watertank: Internal Side: Clean the surface and repair all the cracks by priming (1 URP : 1 cement) and repair with mortar modified with Dr. Fixit Pidicrete URP (10% of weight of cement) at cement:sand ratio of 1:3.



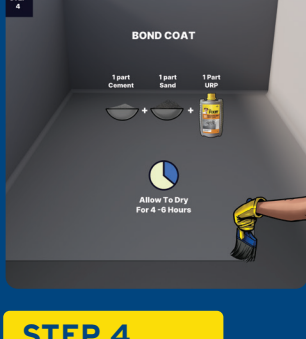
STEP 2

Clean wall and floor junctions and make angle fillet/watta with cement:sand mortar (1:3) admixed with Dr. Fixit Pidicrete URP (10% by weight of cement) at junction of wall and floor.



STEP 3

Apply 2 coats of Dr. Fixit Pidifin 2K @ 6 sq.ft/kg with interval of 4-6 hrs. Each coat should be applied in perpendicular direction to each other. Lay 150-mm wide 45 GSM glass fibre mesh at the angle fillet portion in wet condition over the first coat.



STEP 4

Apply a bond coat (1 part cement + 1 part URP + 1 part coarse sand) and let it dry for 4-6 hrs.



STEP 5

Apply 12-15 mm protective plaster (1 part cement + 3 parts sand) on top with Dr. Fixit Pidiproof LW+ (200 ml per bag of cement).



STEP 6

Apply Dr. Fixit Dampguard Classic @ 32 sq.ft/kg/2 coats. The product is CFTRI certified and can be used for direct potable water contact.