SEPTIC TANKS 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 septic 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.
- Septic tanks are exposed to microorganisms, and require resistant protective coating.

Solution

DR. FIXIT PIDIFIN 2K & DR. FIXIT COAL TAR EPOXY

Why choose Dr. Fixit Pidifin 2K & Coal Tar Epoxy

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

High resistance to chemicals and abrasion

High resistance to wide range of acids, alkali & salt solutions, effluents & sewage

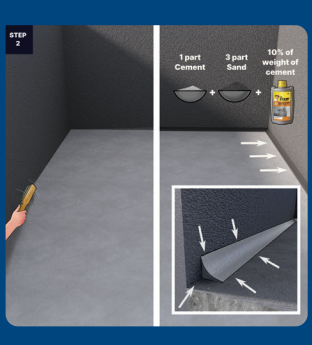
How to Apply

STEP 1A

For Underground Septic 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 Septic tank: 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

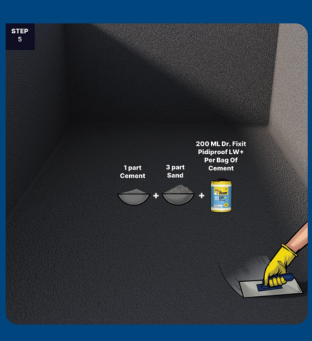
Clean wall and floor junctions and make angle fillet/watta with cement: sand mortar (1:3) admixed with **Dr. Fixit Pidicrete URP** (10% by weight of cement) at junction of wall and floor.

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.

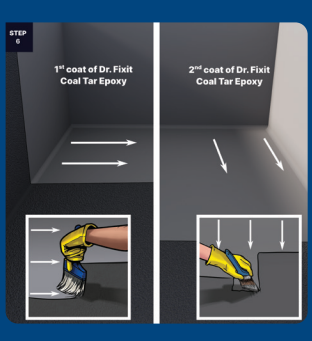
STEP 4

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 the final chemical resistance-protective coating of **Dr. Fixit Coal Tar Epoxy** @ 26 sq.ft/Kg for 2 coats. It has excellent resistance to abrasion and a wide range of acids, alkali and salt solutions, effluents and sewage.