DR. FIXIT®
WATERPROOFING EXPERT

Pidilite

ROOF WATERPROOFING (NEW CONSTRUCTION)

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.
- In new structures, roof is exposed to harsh weather (hot/cold/rain) cycles, which lead to cracks.
- Cracks can occur due to settlement of the structure
- Concrete being inflexible/rigid material cannot take these movements and tends to crack.
- Improper slope of roofs may result in water ponding at lower points on the roof.

Solution

DR. FIXIT PIDIFIN 2K

Why choose Dr. Fixit Pidifin 2K

Excellent adhesion to concrete and masonry substrates

High film build-up of 1 mm, which gives excellent waterproofing

Highly flexible coating with an elongation of 50%, which can give bridge cracks up to 1 mm

Non-toxic

Easily applied by brush, roller or trowel

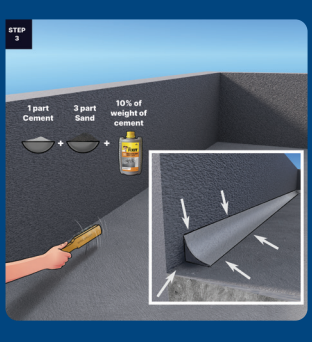
How to Apply

STEP 1

Concrete surfaces should be fully cured (minimum 28 days) prior to application and clean the surface thoroughly.

STEP 2

Repair all cracks by priming (1 URP : 1 cement) and repairing with mortar modified with **Dr. Fixit Pidicrete URP** (10% of the weight of cement) at cement sand ratio of 1:3.



STEP 3

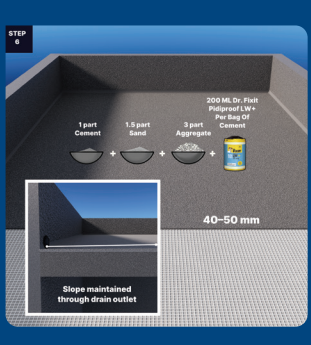
Clean the wall and floor junctions and make angle fillet/watta with cement: sand mortar ratio of 1:3 admixed with **Dr. Fixit Pidicrete URP** (10% by weight of cement) at the junction of wall and floor.

STEP 4

Apply 2 coats of **Dr. Fixit Pidifin 2K** @ 6 sq.ft/kg over entire horizontal surface extended up to 300 mm from final finish level along the parapet wall. Lay 150 mm-wide 45 GSM glass fibre mesh at the angle fillet portion in wet condition over the first coat.

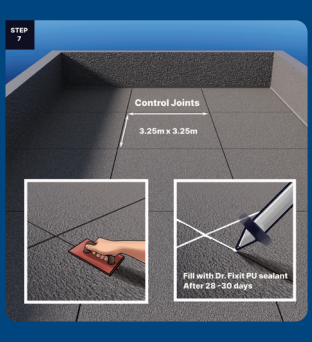
STEP 5

Spread 100 gsm geotextile over cured **Dr. Fixit Pidifin 2K** as separation layer.



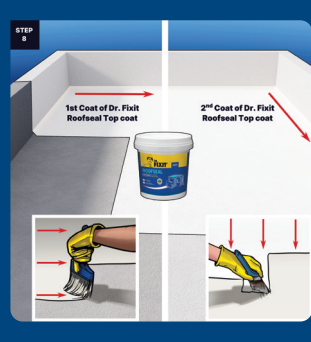
STEP 6

Over and above this concrete screed of min. 40-50 mm (1 cement : 1.5 sand : 3 aggregate) and admixed with **Dr. Fixit Pidiproof LW+** (200 mL per bag of cement) and slope maintained through drain outlet



STEP 7

Provide control joints with 3.25 m x 3.25 m. After 28-30 days, these joints can be filled with a suitable **Dr. Fixit PU sealant.**



STEP 8

Optional: Apply two coats of **Dr. Fixit Roofseal Top Coat**, without water dilution, that has Solar Reflectance Index (SRI) value 106 and reduces surface temperature up to 10°C** in the peak summer.