

# ROOF WATERPROOFING - NEW CONSTRUCTION

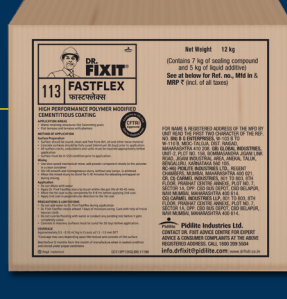


## • WHY THIS HAPPENS •

- 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.
- 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 FASTFLEX



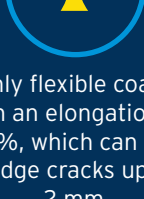
## • Why choose Dr. Fixit Fastflex •



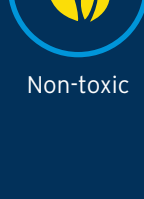
Excellent adhesion to concrete and masonry substrates



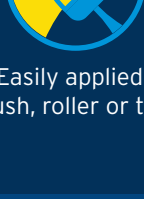
High film build-up of 1.2-1.5 mm, which gives excellent waterproofing



Highly flexible coating with an elongation of 120%, which can give bridge cracks up to 2 mm



Non-toxic



Easily applied by brush, roller or trowel

## How to Apply



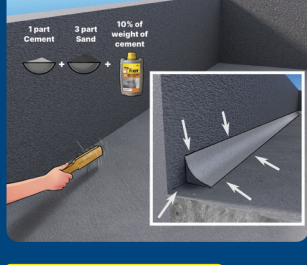
### STEP 1

Concrete surfaces should be fully cured (minimum 28 days) prior to application. Clean the surface thoroughly before proceed for application.



### 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 Fastflex** @ 5 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. All additional Wall-floor Joint needs to cover as process mentioned in step 3-4.



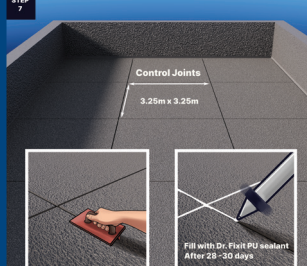
### STEP 5

Spread 100 gsm geotextile over cured **Dr. Fixit Fastflex** as separation layer.



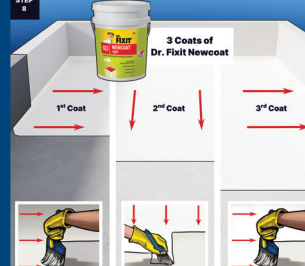
### STEP 6

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 Newcoat** @ 10 sq.ft/litre/2 coats and one coat of **Dr. Fixit Newcoat cool** @ 7 sq.ft/litre/coat, without water dilution. This has Solar Reflectance Index (SRI) value 106 and reduces surface temperature up to 10°C\*\* in the peak summer.