



# Dr. Fixit Instant Leak Plug

## RAPID SETTING LEAK PLUGGING COMPOUND

### Description

**Dr. Fixit Instant Leak Plug** is one component instant leak plugging compound. It is composed of special Cement, properly graded fillers, additives & polymers which set very fast, when contact with water cures in less than 2 minutes. Dr. Fixit Instant Leak Plug is a rapid setting cement compound designed to stop active water leaks, seepage under pressure and leaking water through cracks or similar openings in concrete & masonry structures.

### Typical Applications

- RCC water tanks and water retaining structures.
- Seals and fills cracks and joints.
- Plugs running water leaks.
- Emergency repairs on concrete water pipes
- Basements walls.
- Lift shafts and pits.
- Tunnels (ducts).
- Can be used to anchor fixings injection nozzles.

### Features

- **Quick Setting** - Stops water leakage within 1-2 minutes on contact with water.
- **Hardness** - Hardens instantly under continuous wet condition.
- **Stops Leakage** - Stops the leaking/dripping of water, until the final repair is carried out
- **Sealing** - Effective wet crack sealing in concrete and masonry surfaces.
- **Ease of application** - No Curing required, can be applied by hand.

### Packaging

1 kg, 5Kg

### Method of Application

#### 1 PREPARATION OF SUBSTRATE

- Cut out the holes or cracks to a square (not a v) shape max up to of 20mm. Ensure all loose particles are removed. Dampen the surfaces first with clean water.

#### 2 APPLICATION

- In a suitable clean container place only as much material that can be used within 2 minutes or that fits into one palm. Add 220ml clean water with 1kg of powder. Mix quickly by hand and thoroughly ensure even colour. Whilst the mixture is still warm, and within 1 minutes of adding the water, with a gloved hand or trowel put the mixture in place, press hard and hold for at least 30 seconds to 1 minute or until the plug is set. Allow minimum 24 hrs for hardening. Trim flush if required after water has stopped running. Wash tools immediately in clean water.

#### 3 CURING

- Dr. Fixit Instant Leak Plug does not require curing.



## Technical Information

PROPERTIES	SPECIFICATION	RESULTS
Color	Grey	Grey
Appearance	Cementitious free flowing powder, comparable to the Standard	Free Flowing Powder
Mixing Ratio by Weight	-	0.22
Consistency of mix	-	
Adhesive strength	-	Thixotropic gel mortar
Mixed Density	-	1.80
Pot life	BS : 6319	2 Min
Setting Time	Mixing Ratio ( W : P = 22 : 100 ) @30+/-1 °C Max. 3 min	
	Initial set, Seconds	30
	Initial set, Seconds	90
Setting Time	Minutes ASTM C 266	3 minutes
Compressive strength, N/mm <sup>2</sup>		
After 2 hrs	ASTM C109 , Mpa	1 MPa
After 7 days		14 Mpa
After 28 days		20 MPa
Flexural strength 28 days	ASTM C348 , Mpa	3 Mpa

**Coverage:** 220 ml of water for 1 kg powder  
\* Fresh mix density 1.8 kg/Ltr.

### Shelf Life

- Shelf life is 6 months from the date of manufacturing in unopened condition.
- Store in original unopened tubs in a cool, dry place between 5 - 30° C.

### Precautions & Limitations

- Dr. Fixit Instant Leak Plug will plug leakages only on cementitious substrates.
- For holes greater than 20mm, repair in patches working towards the middle.
- Once set Dr. Fixit Instant Leak Plug cannot be reactivated and reused.
- Only used for plugging leakage instantly, till permanent repairs are carried out.
- Permanent repairs must be carried out using appropriate products of Dr. Fixit product range.
- Use rubber gloves and goggles during mixing and application. Protect skin and eyes.



### Other Products Categories available

Dr. Fixit brings you the widest range of Construction Chemicals



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**DISCLAIMER** The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests & take trials to ensure on the suitability of products meeting their requirement prior to full scale usage of our products. Since the correct identification of the problems, quality of other materials used and the on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of our products.