



## TechnoMIX WL

Integral Waterproofing Admixture for Concrete and Plaster

### PRODUCT DESCRIPTION:

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TechnoMIX WL is a chloride free admixture and supplied as brown organic liquid, when added to fresh concrete, reacts with products of the cement hydration process to produce a hydrophobic material which repels external water, reducing absorption into the concrete.

Hydrophobic polymer induced crystallization effect in concrete and cost-effective means of reducing concrete permeability and thereby reducing water penetration. It is recommended to be used in multi-storey basement, RC flat roof, tunnel, water retaining/excluding structure, bridge deck, civil and building structure.

### ADVANTAGES:

- Confirms IS 2645-2003
- Integral protection is maintained even if surface damage occurs.
- Minimizes loss of mortar due to rebound in plastering jobs, hence great ease of application and saving.
- Required at a very small dosage, hence economical.
- Improves water tightness to a great extent.
- Performs multiple roles of water reducer as well as waterproof.
- Improves workability without increased water content.
- Reduced shrinkage, better finish
- Acts to disrupt the leakage causing capillary structures formed in concrete to cause leakages.
- Chloride free, thus not contributing to corrosion of steel.
- Comes in consumer-friendly pack.

### AREA OF APPLICATION:

TechnoMIX WL is recommended for use in structural concrete, particularly for the following:

- Slope Roof Slabs
- Flat Roof Slabs
- Beams & Columns
- Slabs
- Excellent for internal and external plaster of buildings etc.
- Repair and renovation

### MAIN CHARACTERISTICS:

Properties	Performance
Appearance	Brown Liquid
Specific weight, at 25°C, g/ml	1.06 ± 0.02
PH Value	≥7
Chloride content as per BS: 5075, Part 1	Nil
Recommended Dosage	100g for 50kg bag of cement (maximum dosage up to 0.2% by weight of cement)

### INSTRUCTION FOR USE

Trial mix shall be conducted for concrete intended to utilise. TechnoMIX WL to reduce water absorption in a particular concrete. TechnoMIX WL is recommended for concrete containing retarding admixture conform to ASTM C494 Type D or 5075 Part 1. TechnoMIX WL is suitable for use with all types of Portland cements and cement replacement materials such as PFA, GGBFS and microsilica.

First dry mix cement, aggregates, and sand. Add required measure of water and mix the mass to make it moist, pour TechnoMIX WL to the remaining water and pour it in the mixing drum and mix the entire quantity for approx. 3 minutes to achieve homogenous mix and use as per requirement and lay the concrete. Cure as per normal procedure by ponding/ curing compound.

Limitation: Excess dosage may delay the setting of concrete.

**STORAGE:**

TechnoMIX WL has a minimum shelf life of 12 months provided the temperature is kept within the range of 2°C to 50°C.

**PACKAGING:**

200ml,1,5,10,20 and 100 Litre containers.

**HEALTH AND SAFETY**

These safety recommendations for handling are necessary for the implementation process as well as in the pre and post, on exposure to the loading machinery.

- TechnoMIX WL does not come under hazardous classifications.
- It may cause significant skin and eye irritation. Treat any splashes to the skin or eyes immediately with fresh water.
- As with all construction chemicals products caution should always be exercised.
- Protective clothing such as gloves and goggles shall be worn.
- Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.
- Keep out of reach of children.