



**TECHNY
CHEMY**

TEC^(R) MIX 700

Crystallization Type Concrete Admixture

KEY BENEFITS AND FEATURES

- A unique chemical formulation for waterproofing and protection of concrete that penetrates concrete pores and forms insoluble crystals blocking off water entry.
- Permanent with self-healing capabilities - can seal hairline cracks upto 0.5mm
- Unique ability to become a truly integral part of the concrete matrix
- Enhances concrete durability & reduces concrete permeability right from start
- Less costly to install than most other methods
- Increases flexibility in construction scheduling
- Can be directly added to the RMC truck at job site

USAGE

- Basements, Sunken Portion, Foundations & Elevator pits
- Concrete Water Tanks, Roof Slab and Ground parking structures
- Sewage and Water Treatment Plants, Tunnels and Subway Systems
- Reservoirs, Bridges and dams
- When admixed with brickwork and blockwork mortars, vastly improves the quality of the mortars.
- Can be used with plastering and masonry mortars to improve workability and

DIRECTIONS FOR USE

The generally recommended dosage for **TEC^R MIX 700** is 1% of cement by weight.

Note: Under certain conditions the dosage rate maybe between 2-3% depending on the type of concrete required.

Mortar mixing by Hand/ Machine: The cement- sand mix must first be blended thoroughly before sprinkling the correct quantity of **TEC^R MIX 700** - Powder and mixing well. Pre-measured quantity of water may then be added to produce a cohesive mortar.

Concrete mixing by Hand/ Machine: The sand- aggregate mix must first be blended thoroughly before adding cement and mixing well. The correct quantity of **TEC^R MIX 700** - Powder must then be sprinkled and then mixed well. Pre-measured quantity of water may then be added to produce a cohesive concrete mix.

The setting time of the concrete is affected by the chemical and physical composition of ingredients, temperature of the concrete and climatic conditions. For most concrete mix designs adding the **TEC^R MIX 700** will have minimal or no effect on setting time. Concrete containing **TEC^R MIX 700** may develop higher ultimate strength than plain concrete. Trial mixes should be carried out under project conditions to determine setting time and strength of the concrete.

CLEANING

Tools and equipments shall be cleaned with water.



PRECAUTIONS

Direct contact with skin or eyes should be avoided. Use of gloves, goggles and other protective gear is mandatory. In case of accidental eye contact thorough water washing is advised. This should be followed up with professional medical assistance. Although **TEC^R MIX 700** is non-toxic it should not be swallowed. **TEC^R MIX 700** is non-flammable.

TECHNICAL DATA

Physical State	Grey Powder
Chloride Content	Nil as per IS 456
Storage	Store in cool, dry location
Shelf Life	Maximum of 1 year from date of manufacture in unopened package
Compatibility	All types of cement

PACKAGING:

Available in: 1 kg and 25Kgs

OTHER PRODUCTS

Techny manufactures lot more range of other products for construction and repair applications. They include admixtures for concrete, mortars, block making etc, waterproof and damp proof coating systems, Repair and rehabilitations products, Grouts and Anchors, Protective, Decorative and Corrosion prevention coatings, Epoxy Flooring systems, Industrial flooring systems, Tiling aids. For more details refer Separate Product brochures.

Every reasonable precaution is taken in the manufacture of the Techny products to ensure that they comply with high standards of quality. The recommendations and properties of the products are based upon what is believed to be the most reliable information available and are not intended as recommendations which infringe other patents. Although all Techny products are subject to rigid quality tests, no specific guarantee can be given, because results depend not only on quality but also on other factors beyond our control. We therefore welcome consultation in the event of doubt about application performance etc but do not accept any liability either directly or indirectly arising from the use of the products whether used as per its specifications or advice or otherwise. All transactions shall be subject to our terms of sale, delivery and payment. The leaflet supercedes the previous one and any new issue may take place without notice to supercede this edition as and when it becomes necessary.

TECHNICAL DATA SHEET

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