



**TECHNY  
CHEMY**

**TEC<sup>®</sup> MIX 640 FA**

High performance concrete super plasticiser

### KEY BENEFITS AND FEATURES

- High early and ultimate strength concrete
- High performance concrete for durability
- High workability without segregation or bleeding
- Increase in early & ultimate strengths
- Improved adhesion to reinforcing and stressing steel
- Improved and better resistance to carbonation and other aggressive atmospheric conditions
- Lower permeability - increased durability
- Reduced shrinkage and creep
- Elimination of vibration and reduced labour cost in placing

### USAGE

- Ideal as an admixtures for pre-cast concrete applications.
- Ideal for production of high strength concrete with reduced permeability by reducing the water content.
- Can be ideal used in all types of pavers and concrete tile making to improve strengths and production.
- EfficiencyIdeal for using in structures with congested reinforcement.

### DIRECTIONS FOR USE

The generally recommended dosage for **Tec Mix 640 FA** is 0.3-1% by weight of cement. Dosage may be raised upto2% by weight of cement for exceptional high strength requirements. **Tec Mix 640 FA** should be thoroughly stirred before use. The required quantity of **Tec Mix 640 FA** should be added to the gauging water and stirred to obtain uniform consistency before being added to the concrete mix.

The addition of **Tec Mix 640 FA** to dry aggregate or cement is not recommended. Thorough mixing is essential and a minimum mixing cycle, after the addition of the **Tec Mix 640 FA**, for forced action mixers is recommended.

For all applications it is advised that site trials be conducted and based on the output required, the optimum dosage may be arrived at. Techny Team will work you to arrive at the optimum mix design.



Certified:  
ISO 9001 (QMS) & ISO  
14001 (EMS)



## TECHNICAL DATA

Physical State	Light brown liquid
Viscosity	Medium
Base	Polycarboxylic ethers
Relative Density	1.08 ± 0.01 at 25°C
pH Value 7	7-9
Compatibility	Compatibility Compatible with all types of cements with the Exception of HighAlumina Cements
Standards	ASTM C494 Types F and IS 9103: 1999
Chloride Content	< 0.1 %
Solid contends	35 %
Dosage	200 – 250g / 50 kg bag of Cement

**Cleaning:** Tools and equipments can 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. **Tec Mix 640 FA** is non-flammable.

**STORAGE AND SHELF LIFE:** **Tec Mix 640 FA** must be stored where temperatures do not drop below +8°C. Store under cover, out of direct sunlight and protect from extremes of temperature. Shelf life is 12 months when stored as above. Failure to comply with therecommended storage conditions may result in premature deterioration of the product or packaging.

### Packaging

Available in: 60, 120, 250 Kgs

### 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 and 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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