



TECHNY CHEMY

TEC[®] MIX 550 Concrete Super plasticizer

KEY BENEFITS AND FEATURES

- Enhanced water reduction properties resulting in improved workability and greatly reduced porosity of concrete.
- Significantly reduces segregation and bleeding of concrete mix.
- Helps produce concrete of high early strength and also increases the ultimate compressive strength.
- An extremely useful admixture for pre-cast concrete.
- Improves the final texture of concrete.
- Gentle on reinforcements- does not cause corrosion of reinforcements.
- Does not contain chlorides- safe for use in pre-stressed concrete.
- Superior dispersion of cement particles results in production of a cohesive concrete mix with reduced segregation.

USAGE

- Ideal as an admixture for high volume concreting for floors, walls or foundations.
- Ideal for production of high strength concrete with reduced permeability by reducing the water content.
- Improved workability makes Tec Mix 550 suited for concreting in areas with congested reinforcement.
- Ideal for sloped roof concreting and roof slabs with complicated geometry like domes, shells and folded plate.
- High workability concrete can be produced at site optimized mix dosages with Tec Mix 550.
- Can be used for producing pump able concrete at site.

DIRECTIONS FOR USE

The generally recommended dosage for Tec[®] Mix 550 is 250-350ml per 50Kg bag of cement. The required quantity of Tec[®] Mix 550 should be added to the gauging water and stirred to obtain uniform consistency before being added to the concrete mix.

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

Over dosing will result in retardation although the final strength will remain un-altered.

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 550 is non-flammable.



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



Technical Data

Physical State	Dark Brown Medium Viscous Liquid						
Base	Sulphonated Naphthalene Polymers						
Specific Gravity	1.20± 0.02 @ 30C						
pH Value	7-9						
Air Entrainment	<1% compared to Control Concrete Mix						
Chloride Content	Nil as per IS 456						
Compatibility	Compatible with all types of cements with the Exception of High Alumina Cements.						
Dosage	200-250g / 50Kg bag of cement						
Trial Mix - Results: Mix Contents							
Cement	43 Grade - OPC						
Sand	40% Zone II						
Aggregates	60% 20-6mm						
Mix Description	Cement Kgs	Dosage L/50kg	W/C Ratio	Slump mm	Compressive 3days	Strength 7days	N/mm 28days
Reference Mix	350	Nil	0.45	50	12	26	35
Superplasticized	350	0.300	0.45	160	13	31	39
Increased Strength	350	0.300	0.37	55	15	35	44
Storage	Store in cool, dry location						
Shelf Life	Maximum of 1 year from date of manufacture in unopened Package						

Packaging

Available in: 1, 6, 10, 50, 100, 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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