

## TRI- MIX P 450

High Range Water-Reducing, Super Plasticizer Admixture for Concrete

### Description

**Tri- Mix P 450** is a super plasticizer and flowing concrete admixture,

**Tri- Mix P 450** is a ready to use brown liquid concrete admixture based on selected and highly purified special synthetic chemicals and instantly dispersible in water, which allow mixing water to be reduced considerably and concrete strength to be enhanced significantly particularly at early ages.



### Usage

**Tri- Mix P 450** can be used with all types of cement to achieve the required properties in the following items:

- Pre- cast concrete.
- Ready-mixed concrete.
- Pumped concrete.
- Walls and columns Slender components with densely packed.
- reinforcement, Slabs and foundations, Bridge, Beams and ceilings.
- To producing high quality interlock.

### Advantages

- improve workability, with easier and quicker placing and compaction.
- Normal set without retardation.
- Reduce more than 20 % of water without loss of workability.
- improves the quality, the density, it improves compressive strength and surface finishes of concrete.
- Reduced shrinkage and creep.
- It produces higher cohesion, risk of segregation and bleeding is minimized with out reduction in water content, it increases the slump and significantly.
- improves concrete – flow characteristics.
- Easier low pumping pressures, which prevents clogging and reduces friction in the pipeline.
- Chloride free, and safe in reinforced and pre-stressed concrete.

### Technical Data @°25c

DISCRETIONS	VALUE
Appearance	brown liquid
Density	1.19 ± 0.01 kg / L
Chloride content	NIL
Compatibility	All types of Portland cement



#### Factory & Head Office:

6 October City - 4th Industrial Zone - Al Oula Industrial Zone Plot No.: 14  
 Tel.: (002) 011 195 48267 - Sales: (002) 010 007 88817 - (002) 011 184 87597  
 Technical Support Call : (002) 011 184 87880 - Email: sales@tichem-eg.com

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### Standard Specification

Complies with ASTM C494 Type A, F& BS –EN934 -2

### Directions for use

**Tri- Mix P 450** should be added to the mix with the gauging water (after adding 50-70% of water), also it can also be added to the water prior to mixing, and also it can be used as post addition on the site. Never add **Tri- Mix P 450** to dry cement.

### Rate of use

**Tri- Mix P 450** can be used at the dose rate (0.80 - 2.5) % Liter /100 kg cement, depending on requirements concerning workability and strength. It is recommended that trial mixes be conducted to determine the exact dosage rate required where the dose depend on the require application and W/C ratio, type of cement, aggregates and on temperature.

### Storage

12 months in dry conditions at temperatures between +5 °C and +45

### Package

Drum 200 liter &1000 liter / or as customer requirements.

### Precautions

**Tri- Mix P 450** is non - flammable and non-toxic, wash any splashes to the eyes immediately with water.



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