

## TRI- MIX PR 655

**Very High Range, Water-Reducing and Set Retarding Admixture for Concrete**

### Description

**Tri- Mix PR 655** A highly quality dual action super plasticizer with a set retarding effect for producing free-flowing concrete in hot climates. Also, high water reducing agent for promoting high early and ultimate strengths,

**Tri- Mix PR 655** is a ready to use brown liquid concrete admixture based on selected and good purified special synthetic chemicals and instantly dispersible in water, which allow mixing water to be reduced considerably and concrete strength to be enhanced significantly.



### Uses

**Tri- Mix PR 655** can be used with all types of cement to achieve the following properties:

- Ready-mixed concrete.
- Pre – cast concrete.
- Long-distance transport.
- Pumped concrete.
- Casting in hot climates.
- Walls and columns Slender components with densely packed.
- reinforcement, Slabs and foundations, Beams and ceilings labs and foundations, Beams and ceilings.

### Advantages

- Improves workability without increased water.
- Delayed setting with longer workability.
- Reduce more than 30 % of water without loss of workability.
- Reduced shrinkage and creep.
- Improved durability.
- It produces good cohesion; risk of segregation and bleeding is minimized.
- Is chloride free, and safe in reinforced and pre-stressed concrete.

### Technical Data @°25c

DISCRETIONS	VALUE
Appearance	brown liquid
Density	1.21 ±0.01 kg / L
Chloride content	NIL
Compatibility	All types of Portland cement

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#### Factory & Head Office:

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### **Standard Specification**

**Tri- Mix PR 645** Complies with ASTM C494 Type F, G, & BS –EN934 -2

### **Directions for use**

**Tri- Mix PR 655** 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. Never add **Tri- Mix PR 655** to dry cement.

### **Rate of use**

**Tri- Mix PR 655** can be used at the dose rate (0.80 % - 3.5 %) 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. Workability loss is dependent on temperature, on the type of cement, the nature of aggregates, the method of transport and initial workability. It is strongly recommended that concrete should be properly cured particularly in hot and dry climates.

### **Effects of overdosing**

Over dosage increases the retardation and workability the effect level will depend on the particular Mix design and overdose level.

### **Storage**

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

### **Package**

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

### **Precautions**

**Tri- Mix PR 655** is non - flammable and non-toxic, wash any splashes to the eyes immediately with water.



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