



## SAM-ADMIX MEGA PLAST-RMC

Retarding Superplasticiser based on PCE for Ready- Mix Concrete

### **DESCRIPTION**

SAM-ADMIX MEGA PLAST- RMC is an economical admixture based on modified polycarboxylic ether. The product has been primarily developed for applications in ready mix & site -batched concrete. It is specially designed to allow considerable reduction of mixing water while maintaining control on extend of set retardation.

SAM ADMIX Mega Plast RMC is free of Chloride & low alkali. It is compatible all types of cements

### **RECOMMENDED USES**

- \* Ready mixed concrete
- \* Pumped concrete
- \* Long - distance transporting
- \* High performance concrete for durability
- \* Congested /complex reinforced sections
- \* High workability without segregation or bleeding.
- \* Mixing requiring > 20% water reduction.

### **ADVANTAGES**

- \* Good dispersion even in mixes with high fines
- \* High workability for longer periods
- \* Lower pumping pressure
- \* Resistance to segregation even at high workability
- \* Better surface finish
- \* Higher ultimate strength
- \* Extended setting with longer workability
- \* Increase ease in finishing concrete.

### **APPROVALS / TEST CERTIFICATION**

- \* ASTM-C-494, Type B,D,G.
- \* IS 9103

### **TECHNICAL INFORMATION**

<b>Composition</b>	Poly carboxylic ether polymer
<b>Appearance/ Colour</b>	Colorless/Viscous liquid
<b>Storage conditions</b>	Store in dry conditions at temperatures between +10°C to 40°C. Protect from direct sunlight and frost.
<b>Density/Specific Gravity</b>	1.06 ±0.01
<b>PH-Value</b>	≥6
<b>Chloride ion content</b>	< 0.2%

### **SHELF LIFE**

12 months from date of production if properly in undamaged un-opened, original sealed packaging. Store under cover, out of direct sunlight & protect from extremes of temperature.

## SAM ADMIX Mega Plast RMC

### PACKAGING

225KG, 1000 KG

### APPLICATION INFORMATION

<b>Recommended Dosage</b>	Optimum dosage of SAM ADMIX Mega Plast RMC should be determined with trial mixes. as a guide a dosage range of 300 ml to 1800 ml per 100kg of cementitious materials is normally recommended. because of variations in concrete materials, job site conditions & applications dosages outside of the recommended range may be required. Therefore, in many cases it is advisable to carry out trail mixes.
	Higher dosage may be used if agreed by Engineer and Consultant.
	Stir well before use.
<b>Workability</b>	SAM ADMIX Mega Plast RMC ensures that rheoplastic concrete remains workable in excess of 2 hours at +25°C. workability loss is dependent on temperature & on the type of cement, the nature of aggregates the method of transport & initial workability.

### APPLICATION INSTRUCTIONS:

- \* SAM-ADMIX MEGA PLAST-RMC can be added into the mixing water or directly into the concrete mixture after 50 to 70% of the mixing water has been added.
- \* The addition of SAM-ADMIX MEGA PLAST-RMC to dry aggregate or cement is not recommended.
- \*Through mixing is essential & a minimum mixing cycle after the addition of the SAM ADMIX Mega Plast RMC of 60 Seconds for forced action mixers is recommended

### COMPATIBILITY:

SAM ADMIX Mega Plast RMC is not compatible with Melamine or Naphthalene based admixtures & should not be used in conjunction in the same mix. It is compatible with Ligno Sulphonates & carboxylic acid based plasticiser & retarders & also with most type of air entrainers, accelerators, retarders extended set control admixtures, corrosion inhibitors & shrinkage reducers. it is also compatible with slag & pozzolans such as fly ash, metakaolin & silica fume.

### FURTHER INFORMATION

Excessive water addition or overdosing may cause bleeding or segregation and delay setting time. If frozen and/or if precipitation has occurred, SAM-ADMIX may be used after thawing slowly at room temperature and after intensive mixing.

### ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet(SDS) containing physical, ecological, toxicological and other safety-related data

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