



SAM-ADMIX MEGA PLAST

High early strength gaining superplasticizer with super slump retention for Precast

DESCRIPTION

SAM-ADMIX MEGA PLAST is a third generation advanced superplasticiser for concrete based on a unique polycarboxylate ether polymer. It is greatly helpful for cement dispersion; helpful for achieving high workability and extended slump retentions and high strength for all grades of concrete. Concrete containing fly ash; GGBS; Micro silica to enhance durability. It provides excellent workability; retention of slump without delay in setting at hot weather conditions at economical dosages.

APPLICATION AREA/USES

- * Concrete with extreme water reduction with excellent flowability with optional cohesion.
- * Pump concreting-where the internal friction of the mix is reduced to a minimum
- * RCC columns and Bridge Decks
- * Dams, water retaining structures
- * Concrete requiring long workability and retention
- * Piling and Pumping concrete for high rise towers
- * Hot weather concreting
- * Self compacting concrete
- * Specially design for high grade concrete

ADVANTAGES

- * Reduces water up to 25%, hence dense and compact concrete achieved.
- * Higher retention of workability, upto 2 hrs, depending on mix design
- * It reduces permeability & achieves high early strength
- * Helps in reducing cement content for required strength

APPROVALS / CERTIFICATES

It meets the requirement of ASTM-C-494, Type F & G
IS 9103

TECHNICAL INFORMATION

Composition	Poly carboxylic ether polymer and few additives
Appearance/ Colour	Light Brown Liquid
Storage conditions	Store in dry conditions at temperatures between +10°C to 40°C. Protect from direct sunlight and frost.
Density/Specific Gravity	1.06 ± 0.01
PH-Value	> 6
Chloride ion content	<.2%

SHELF LIFE

12 months from date of production if properly in undamaged un-opened, original sealed packaging.

PACKAGING

225KG, 1000KG

APPLICATION INFORMATION

Recommended Dosage	Standard dosage will vary from 0.40% to 1.80% by wt. of cement. Exact dosage rates are dependent on the quality of cement, aggregates, water/cement ratio and ambient temperature. Therefore, in many cases it is advisable to carry out trial mixes.
	Higher dosage may be used if agreed by engineer and consultant.
	Stir well before use.
Compatibility	SAM-ADMIX MEGA PLAST may be combined with many other SAM-ADMIX products
	Compatible with all types of cements and cementitious materials.
	Important: Always conduct trials before combining products in specific mixes and contact our Technical service department for information about specific combinations.

APPLICATION INSTRUCTIONS

- * SAM-ADMIX MEGA PLAST 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 to dry aggregate or cement is not recommended.
- * To achieve optimum performance a minimum wet mixing time, which is depending on the mixing conditions and the mixer performance, of 60 seconds is recommended.

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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