



TRIAZINE L10 : Pure Polymelamine Formaldehyde Sulfonate Concrete Superplasticizer

Description :

TRIAZINE L10 is an aqueous solution of poly melamine Formaldehyde Sulfonate manufactured by introducing SO_3H group into precondensate oligomer of Melamine (S-Triamino Triazine) and formaldehyde.

It is a high range water reducing superplasticizer capable of yielding a pumpable rheoplastic concrete without segregation of aggregates from cement paste due to its surface absorption on hydrating cement grains and fine particles. It forms a lubricating film thus reducing the inner friction of heterogeneous concrete mix and thereby imparting waterproofing properties to the concrete.

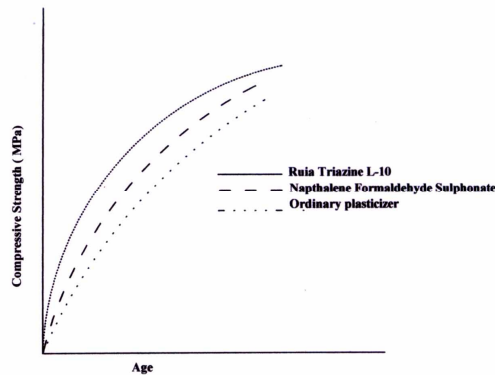
TRIAZINE L10 is a powerful cement dispersing agent with upto 30 percent water reducing capacity to achieve very high flowability, early strength, as well as permeability resistant durable concrete.

Advantages :

- Super-plasticized concrete without segregation.
- Reduced pour time.
- Earlier knock down of form work.
- Quicker moulds recycle.
- Waterproof characteristics of concrete.
- Cement saving (15 to 20 %) at same workability.
- Water Reduction up to 30 %
- Self leveling concrete without efflorescence and demixing of concrete.
- Significant reduction of internal friction and thixotropy making the concrete pourable into places around congested reinforcement requiring little (or no) vibration to achieve optimum compaction.
- Close textured fair faced surfaces without honey combs.
- Reduction in shrinkage, creep and crack formation.
- High early strength – 7 day strength is $4/5^{\text{th}}$ of 28 day strength (approx.)
- Precast member low slump concrete.

Technical Specification :

Appearance	: Colourless to Pale Yellow
Solubility in Water	: 100 %
Specific Gravity	: 1.20 ± 0.03
pH Value	: 8.5 ± 1
Chloride Content (%)	: Complies with BS 5075
Solid Content (%)	: 40 ± 2
Air Entrainment	: Almost Nil, detrain air from Harsh mix.



Standard :

Confirms to IS : 9103-1999 and ASTM C 494 Type F

Dosage :

Depending on grade of concrete cement factor and water/cement ratio, the dosage of **TRIAZINE L10** may vary from 0.5 % to 2.0 % by weight of cement. The optimum dose can be evaluated by trial.

Packing :

25 Kgs., 225 Kgs.

Material Safety Data :

Non toxic, non hazardous and non flammable.
Store under shed, away from heat source.

Shelf Life :

Best before 12 months.

Product Bulletin Code : OC: 002

Technical Service :

Ruia Chemicals Pvt. Ltd. is an ISO 9001-2008 Certified organization manned by Polymer Chemists, Concrete Technologists and Material Scientists responsible for maintaining consistency and quality of products by Laboratory and in-process tests to satisfy our valued customers.

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or legal responsibility on our part including third party's intellectual property rights especially patent rights. The customer has to verify by testing the performance and suitability of the product described herein. Reference to Trade names used by other companies is neither a recommendation nor a prohibition. The customer is free to use any trade product, if found suitable.

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