



RUIA ULTRAFLOW HS : Slump Retaining Concrete Superplasticizer

Description :

RUIA ULTRAFLOW HS is a high range water reducing and slump retaining concrete admixture based on anionic poly condensate polymers with powerful cement fluidizing characteristics coupled with enhanced workability.

For tropical concreting under stringent conditions of temperature and low humidity, it extends the workability of concrete / mortar effectively without set retardation, associated with development of very good early and long age strength.

RUIA ULTRAFLOW HS is based on Naphthalene Formaldehyde Sulfonate and is adjusted for optimum slump loss control thus retaining workability in concrete mixes even if the mix is low in cement content or includes poorly graded aggregates.

Advantages :

- High slump at low dosage for stiff Mixes with low water – cement ratio.
- More than 20 % water reduction.
- Very good slump Retaining characteristics.
- Accelerated hardening after commencement of setting.
- Higher strength at same water – cement ratio.
- Compatible with OPC, PSC, and PPC grades of cement.
- Cement saving by water–reduction and / or OPC substitution by Fly ash GGBS in case of in-situ concreting or at Batching Plant.
- Excellent for Ready Mix Concrete for keeping the mix pumpable in long haulage / summer concreting.
- No cold joints in slip forming, yielding monolithic concrete.
- Cohesive concrete due to insignificant bleeding.
- Low air entrainment.
- Reduction in shrinkage, creep and crack formation.

Use :

- Ready Mix Concrete.
- Small and Large Batching Plants
- In-situ Piling Concrete.
- Slip forming.
- High performance and durable concrete for Hydro and Thermal power plants.
- Concrete pavement and road ways.

Technical Specification :

Appearance	: Brown Liquid
Solubility in Water	: 100 %
Specific Gravity	: 1.20 ± 0.02
pH Value	: 8 ± 1
Chloride Content (%)	: Complies with BS 5075
Solid Content (%)	: 40 ± 1

Standard :

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

Dosage :

0.5% to 1.0% by weight of cementitious material depending on cement content and water – cement ratio. At extremely high temperature the dosage can be further increased. Optimum dosage is arrived at, by site trials. **RUIA ULTRAFLOW HS** can be mixed with a portion of gauge water before addition to wet concrete to cause high initial slump

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 in unopened condition.

Product Bulletin Code : OC: 003

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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