Assess Build Chem Pvt. Ltd.
A World of Concrete Solutions

SS - PlastiCon LR30

Modified Lignosulfonate based High Performance Retarding Superplasticizer and Water Reducing Agent

General

SS - PlastiCon LR30 is a Specially designed Multifunctional Modified Lignosulfonate based Superplasticizer for Concrete Mixes. The material is based on selected Modified Lignosulfonate and is free from chlorides. It aids concretes in attaining good mechanical properties and durability. The concretes with **SS - PlastiCon LR30** are homogenous and free from bleeding and segregation. The formulation of **SS - PlastiCon LR30**, makes it suitable for use in concretes containing manufactured sand and a high percentage replacement of OPC by GGBFS or flyash.

SS - PlastiCon LR30 is suitable for use in ready-mix concrete or site batching plants, precast industry, mass concrete, marine or massive structures where the workability retention for a longer period is required. Properly designed concrete produces a very homogenous concrete, which is easily workable without bleeding and segregation. Usage of **SS - PlastiCon LR30** reduces the chances of pump blocking and reduces the abrasion in the pipelines, thereby extending the life of concrete pumps and it enhances workability in hot weather & reduces chances of cold joint formation.

Please contact us for concrete technology support and design.

Product Features

- High Performance Superplasticizer to provide flow and workability retention
- Can be used with blended cements and mixes with high percentage of OPC replacement for high durability
- Robust Formulation, Suitable for most mixes
- Enables excellent strengths in Concrete
- Retarding Super plasticizer
- Chloride free, Non Toxic
- Reduces Bleeding and Segregation
- Provides Improvement in dispersion of mixes having manufactured sand and helps rheological properties
- No Extra Air Entrainment

Concrete & Mortar Additives

Areas of Application

- Retarding superplasticizer for long retention in RMC
- Concreting in Hot Weather Conditions
- Marine Foundations or massive structures requiring long workability retention
- Pumpable Concretes
- Suitable for all standard cements like OPC or Blended Cements or Mixes with high percentage of OPC replacement
- Congested/complex reinforced sections
- Mixes with high Fines Content
- Mixes requiring high water reduction

Areas of Application

Specification Keywords	Multifunctional Modified Lignosulfonate, retarding superplasticizer, water reduction, extended workability, OPC, Blended Cements, RMC
Delivered As	Brown Coloured Liquid
Storage Instructions	In Original Packing. In a cool dry place.
Shelf Life	12 Months from date of Manufacture.
Post Use	Use Complete Packs, Dispose packaging according to local regulations.
Packing Size	30 kg, 230 kg

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SS - PlastiCon LR30

Hazards and Safety

Preliminary Trials Mandatory

Technical Data

Sp. Gravity	1.15 +/- 0.05
Dosage	0.2 to 0.5% - As Plasticizer
	0.5 to 3.0% - As Superplasticizer
pH	> 5
Chloride Content	< 0.1%

Instructions for Use

Add **SS - PlastiCon LR30** to the concrete during mixing, most preferably along with the additional water. Do not add **SS - PlastiCon LR30** to the dry aggregate/cement mix, as it reduces efficiency of the admixture. The admixture is most effective when dosed after about 70% of the mixing water has been added to concrete. The mixing time after addition of the admixture should be long enough to allow the admixture to plasticize the mix completely. The concrete to be produced can be mixed in a standard drum mixer or a modern batching plant / pan mixer setup.

In-case the admixture needs to be dosed on-site into transit mixers, please follow corresponding engineering and safety rules. Post addition, rotate the transit mixer drum at full speed for atleast 3 minutes, to allow the admixture to disperse homogenously. As with all chemical products, take care during use and storage to avoid contact with eyes, mouth, skin or food. In case of contact, rinse eyes and skin immediately with plenty of water.

If ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use. Do not reuse containers for storing water or other consumable foods. Use Complete Packs.

Safety and Precautions

To determine individual technical suitability, test the admixture under application conditions. Please allow us to assist you for your concrete technology testing/needs. Follow relevant standards for production, placing and curing of concrete. As with any concrete, efficient curing is essential to develop final properties mechanical and durability properties.

Severe overdosages may lead to segregation and bleeding of disturbing the homogeneity of concrete. Overdosing may lead to delayed initial and final setting time, which is not advisable as cracking may result if vibrations have started in subsequent batches during the initial setting of the earlier batch.

Depending upon the concrete mix severe over dosage of the admixture may result in apparent incompatibility such as bleeding/ segregation of concrete, quick loss of slump, excessive air entrainment, extended initial and final setting times etc. Slight overdosing would not severely affect the ultimate strength of concrete provided the concrete is properly mixed, handled and placed and adequately compacted and cured.