



AEROTM
CONCHEM LLP

AN ISO 9001 : 2008 CERTIFIED COMPANY

AEROPLAST SP

High Range Water Reducing And Super Plasticizing Concrete Admixture

Description

AEROPLAST SP is an organic based liquid high performing super plasticizer and high range water reducing action. It enhances mobility, workability and obvious strengthening effects so that advantages of accelerating project mould turnover and construction speed. It can be used with most local cement and cementitious material with a margin on cement savings.

Uses

Precast manufacturer, Ready mix producers, Civil Contractors and DIY professionals use **AEROPLAST SP** in the production concrete for structures such as slabs and foundations, walls, columns, slender components with densely packed reinforcement, textures surface finishes, pre-stressed concrete, bridges and cantilever structures.

Advantages

- Offers high strength concrete with normal workability but lower water content
- Provides a concrete mix with less cement but high strength and workability
- Provides a good slump retention
- No retardant at normal dosage
- Reduces water up to 30 %
- Concrete begins to flow easily and becomes self leveling
- Concrete becomes cohesive and does not have undesirable bleeding, segregation or loss of strength
- Non corrosive
- Reduces shrinkage
- Provides excellent flow properties
- Provides high early and final strength

Standards Compliance

AEROPLAST SP conforms to ASTM C 494 type F & IS: 9103-1999.

Typical Properties & Specifications:

Sr.No	Properties	Specification
1	Physical Appearance	Dark Brown liquid
2	Specific Gravity	1.210 ± 0.020
3	Chloride content(%)	< 0.2 % (as per IS:9103 -1999)
4	Air entrainment	Less than 1%

Instruction for use

AEROPLAST SP can be added to the mixing water prior to its addition to the aggregates or directly to the freshly mixed concrete (the plasticizing effect is more pronounced). For ready Mix Concrete, **AEROPLAST SP** can be added to the concrete immediately prior to discharge and after further mixing has taken place for three minutes.

Dosage

Dosage is depending on application of concrete and grade. Hence, trial mix is suggested strongly. Normal dosage is from 0.6 % TO 1. 5% of cementitious materials. We strongly recommend trial mix because conditions of use, materials used, ingredients, environmental factors are changed site to site.

Effects of over Dosage

When overdosing beyond the design limit occurs, it may induce the onset of segregation and bleeding. Depending on the degree of over-dosing, vigilant attention should be taken into action particularly in the properties of concrete such as its consistency and cohesiveness. Decisions should be based on this assessments.

Packing

AEROPLAST SP is supplied in 1, 5, 10, 50, 100 and 200 litre drums.



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Shelf Life & Storage

AEROPLAST SP has a shelf life of 12 months from date of manufacture when kept at a temperature between 5 °C to 45 °C and store in the original, unopened bags. All material shall be stored under cover in a manner that will prevent damage preferable on pallets and protected from excessive heat and moisture. Do not freeze.

Quality Assurance

AERO CONCHEM LLP. is a firm of Assessed Capability. The company's quality system conforms to ISO 9001:2008.

Health & Safety

AEROPLAST SP is not a fire or health hazard. Spillages should not be left to enter sewers/surface or ground water, it should be washed down with plenty of water immediately. In case of eye contact or ingestion, seek medical attention without delay. Do not dispose of into water or soil but according to local regulations. **AEROPLAST SP** is made from organic chemicals. Considered as non-toxic and non-hazardous according to relevant health and safety codes.

OUR RANGE OF PRODUCTS



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