

Product Description

La AdCrete GF is a conventional concrete admixture based on a blend of sulphonated naphthalene formaldehyde condensates and other specially selected organic polymers, combining the properties of super plasticizer giving large water reduction at a given workability. It can be used as ASTM type G & F depending upon the dosage used. It has excellent slump retention as well as good set retardation property of concrete. It produces very cohesive concrete with good flowability.

Standard Compliance

Conforms to IS: 9103-1999,(reaffirmed 2004), Edition 2.2 (2007-2008), ASTM C494/C494M-08a, Type F & G, & BS EN 934

Uses

- Produces low to medium grade pumpable concrete with good slump retention (suitable for site batch concrete).
- It can be used with little higher dosage in the mass concrete where excessive retardation is required to avoid cold joint of concrete.
- It can be used in the mass concrete where low heat of hydration is desirable.

Advantages

- Improves workability/flow properties with reduced amount of water resulting cohesive concrete, easier/quicker placing and compaction and better surface finish.
- Improves both early and ultimate strength due to low cement ratio while maintaining the same workability
- Increases durability of the concrete in terms of impermeability, less susceptible to chemical attack and reduced shrinkage cracks due to lower W/C ratio and less cement paste content.
- Initiates low heat of hydration & thus less possibility of generating micro cracks in transition zone of concrete
- Saves cement substantially approx. (10-20%) due to reduced cement in addition with mineral admixtures and lower water content at a given workability & hence better cost engineering

Compatibility

It is compatible with all type of Cements except high alumina cement. Also compatible in combination with mineral admixtures and other AdCrete Admixtures except PCE based. Site trial is essential to optimise the dosage.

Technical Properties

Color	Dark Brown Liquid
Chemical Basis	Sulphonated Naphthalene
Specific Gravity	1.14± 0.04 (at 27°C)
pH Value	7± 1
Chloride	Nil (according to IS: 9103-1999)
Air Entrainment	May increase marginally/less than 1%. Addnl. air is entrained within the recommended dosage
Effect on setting time	Very nominal at normal dosage. Higher dosage may show over retardation
Compatibility	La AdCrete GF is generally compatible with other La Greens SNF Based Admixtures, but it is recommended that all admixtures be added to concrete separately.

Dosage

The optimum dosage should be determined by site trial with the particular concrete mix. Over dosing should be avoided. The rate of addition is generally 0.5% to 1.5% by wt of cement depending upon the requirement of water reduction, slump retention and set retardation.

Application Instructions

Curing

Normal curing methods such as water spray, wet hessian or La CureCrete curing membrane should be used.

Cleaning

Spillages of La AdCrete GF can be removed with water.

Over Dosing

An overdosage of La AdCrete GF, will result in very high workability and some retardation of setting time will occur. However, the ultimate compressive strength will not be impaired.

Incase of overdosage good concreting practices such as curing and delay of de-shuttering should be accounted for.

Packaging

La AdCrete GF is available in 250kgs carbouys

Shelf Life

La AdCrete GF has a minimum shelf life of 12 months when stored in unopened containers below 35°C

Health & Safety

La AdCrete GF is non toxic. Any splashes should be washed off with water. If contact with eyes occurs, wash immediately with water and seek medical advice.

Fire

La AdCrete GF is non flammable.

Important: La Greens India Pvt. Ltd., products are guaranteed against defective materials and are sold subject to its standard terms and conditions of sale. It is the Customer's responsibility to satisfy themselves by checking with the Company whether the information is still current at the time of use. The customer must be satisfied that the product is suitable for the use intended. All products comply with the properties shown on current Technical Literatures. However, La Greens India does not warranty or guarantee the installation of the products as it does not have any control over installation or end use of the product. All information and particularly the recommendation relating to application and end use are given in good faith.



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An ISO : 9001:2008 Accredited Company