



CLASSIC SUPERFLO-PC

New Generation Super Plasticizer for High performance concrete

Product:

Classic Superflo PC is a high range water reducing admixture for concrete conforming to IS 9103-1999-ASTM-C-494 Type F. It is non-toxic brown liquid based on polycarboxylic ether.

Description:

Classic Superflo PC is ready to be supplied liquid based on Polycarboxylate ether formulation. The powerful dispersing action based on steric hindrance can be used in many ways to obtain dense, high strength, high performance durable concrete. The high water reduction make **Classic Superflo PC** ideal for use in precast and prestressed concrete where high early strength are of paramount importance.

Purpose & Uses:

To produce high strength concrete and flowing concrete without addition of water. Enables high water reduction leading to high early and ultimate strengths. Ideal in precast and prestressed concrete works.

Dosage:

250ml – 750 ml per 50 Kg bag of cement. However, the optimum dosage should be determined by site trials. Other dosages may be recommended in special cases according to specific mixes.

Packing:

Available in 5,20,50,100 Litre Containers.

Storage Life:

Minimum one year of stored below 50°C in original sealed containers. If allowed to stand for a long time, contents should be stirred before use.

Uses :

Increased Workability: **Classic Superflo PC** when incorporated in concrete mixes increases the workability without addition of water, thus leading to

easy placement and finishing without the risk of segregation and bleeding.

Increased Strength: **Classic Superflo PC** can be used to reduce water for a given workability leading to increase in high early and ultimate strengths. Such high early strengths and early stripping of form work lead to increased productivity on precast concrete and the production of high strength concrete without increasing cement content.

Typical Properties:

Appearance : Yellowish Brown Liquid

Sp. Gravity: 1.09+/-0.01 @ 25°C

Dry Material Content: 30% +/-3%

pH: 7-8

Classic Superflo PC can be used with all types of Portland cements and is chloride free. It has no significant effect on setting times at normal dosage levels.

Advantages:

- Flowable concrete with the lowest water to cement ratio.
- Facilities rapid placing of concrete and with little or no vibration.
- Eliminates segregation and bleeding. Makes the concrete denser, hence durability increased.
- Improves concrete surface finish the texture.
- Increased durability.
- Improves cohesion thus aids pumping of concrete. Early and ultimate compressive strength.

Handling Precautions:

Classic Superflo PC is non-toxic. However, splashed on the skin should be washed well with water and if contact with eye occurs, wash well with fresh cold water.

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TAMILNADU

Corporate Office

PRIMADONN BUILD TECH PVT LTD

No. 349, First Floor, Srinivasa Nagar, Kavariipettai, Gummidipoondy 601 206.

Ph+91-8220513172,

Admin Office:

No.605, Selva Vinayaga Nagar, Grant Lyon Village, Ponneri Tk., Thiruvalluvar Dt., Ph+91-6379174327, +91-8438276059.

Manufacturing Unit

No.603, Selva Vinayaga Nagar, Grant Lyon, Vadagarai, Chennai 600 052.
Ph.+91-9444907177

KARNATAKA

Corporate Office:

PRIMADONN CONSTRUCTION CHEMICALS (P) LTD.,

Talacauvery Layout, Basavanagar, Bangalore 560 037. Ph.+9150878429, +91-9345411355.

PONDICHERRY

Branch Office

192/A, Chinna Subburaya Pillai Street, Near Vaikal Cutting, Puducherry 605 001. Ph.0413-4208833, 91-+9514709240

Distrubutor's

151, Chinna Subburaya Pillai Street, Near Vaikal Cutting, Puducherry 605 001.
Ph.0413-2222100, 91-+9345561820

Email: Info@Primadonn.com, www.Primadonn.com

