

CAC-Superflow (P)

High Range Water Reducing Powder Superplasticiser

CAC-Superflow (P) is a superplasticising powder admixture to produce flowable or pumpable concrete and mortar for all grades, without bleeding and segregation.

CAC-Superflow (P) is formulated from synthetic polymers specially designed to impart the cohesiveness to the concrete mix for easy pumping and placing. It considerably improves the properties of fresh and hardened concrete and mortar.

AREA OF APPLICATION:

- Precast / Pre-stressed Concrete
- Readymade mortar
- Casting in hot climates
- Pumped concrete

Primary uses to obtain-

- High workability
- Higher early & ultimate strengths
- With congested reinforcement
- Increases durability & impermeability
- Lower pumping pressure

STANDARDS:

ASTM C 494 – Type F
IS 9103: 1999

METHOD OF APPLICATION:

Add correct quantity of **CAC-Superflow (P)** by weight to cement along with other

aggregates. Mix thoroughly and then add measured water. Allow to mix it for recommended mixing time.

DOSAGE:

As a starting point, a dosage range of 0.3kg to 1.0 kg per 100kg of cementitious materials is recommended. Optimum dosage of **CAC-Superflow (P)** should be determined in trial mixes. Please consult CAC Pvt. Ltd. Technical staff for further information.

COMPATIBILITY:

CAC-Superflow (P) is compatible with all types of cements and most Air Entraining Agents meeting the ASTM standards & Integral Waterproofing Compound which complies with IS 2645- 1978. The addition of **CAC-Superflow (P)** and **CAC-AEA** (Air Entraining Agents) to concrete is recommended where it is required to withstand freezing and thawing cycles. If more than one admixture is to be used in concrete, they must be dispensed separately.

WORKABILITY:

CAC-Superflow (P) ensures that concrete remains workable for 30 minutes at 20°C. Workability loss is dependent on temperature, type of cement, nature of aggregates, the method of transport and initial workability. It is strongly recommended that concrete should be properly cured particularly in hot and dry climates.

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TECHNICAL PROPERTIES:

Appearance	Light Brown fine powder
Base material	Sulphonated Naphthalene Formaldehyde
Density (gm/lit)	550-750
Chloride content	Nil
pH	Min. 6

CAC-Superflow (P) is a chloride free product. The shelf life of the product is 6 months, when stored as recommended.

STORAGE:

CAC-Superflow (P) must be stored at above 5°C temperature. Store under cover, stack it above pallets and protect it from direct sunlight. Failure to comply with recommended storage condition may result in premature deterioration of the product or packaging.

EFFECTS OF OVER-DOSAGE:

A severe over-dosage of **CAC-Superflow (P)** will result in the following:

- Retardation of Setting Time
- Increase in workability / segregation
- Slight increase in air entrainment

PACKAGING:

CAC-Superflow (P) is available in 25 kg HDPE bag with proper liner bag inside.

SAFETY PRECAUTIONS:

CAC-Superflow (P) is a non-toxic and inflammable. When in contact with the skin, it should be washed with cold water.

Disclaimer:

The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests and take trials to ensure on suitability of products meeting their requirement prior to full scale usage of our products. Since the correct identification of the problems, quality of the other materials used and on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The Company does not assume any liability or any consequential damage for unsatisfactory results, arising from the use of our products.

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