

Water reducing concrete admixtures

PRODUCT

Admix CP 300 is formulated from synthetic polymers and is specially formulated to give exceptionally high water reduction and greater workability.

Admix CP 300 is specially designed to perform significant dispersion to cement particles providing extremely workable characteristics with greatly reduced water demand.

KEY BENEFITS

- High water reduction that allows high early and ultimate strengths
- High flow ability ensures easy placement
- Good cohesion, no segregation and minimal bleed water along with extremely high levels of workability
- Enhanced easier placement and delivery control
- High elastic modulus, low shrinkage and creep are achievable with graded coarse and fine aggregates
- Superior surface finishes
- Reduced permeability
- Improved cohesion
- Improved rheology

TYPICAL APPLICATIONS

- High performance concrete
- Highly workable concrete
- Concrete strength grade up to 35Mpa
- Ready-mixed concrete
- Mass concrete
- Pumped concrete
- Environmentally designed concrete structures
- Hot weather concreting

SCOPE OF USE

Admix CP 300 to ensure that plastic concrete remains workable for more than 90 minutes at high temperatures. Ideal for construction of dams, locks, road works, architectural concrete, light or heavy prefabrication, ready-mix concrete, and pumped concrete.

CHARACTERISTICS

Appearance	Liquid
Color	Brown
Specific gravity	1.175 ± 0.015
Chloride content	Zero to BS 5075

APPLICABLE STANDARDS

Admix CP 300 complies with:

EN 934-2 Table 2

ASTM C-494: Types A & D

BS 5075 Part 1 (superseded by EN 934-2)

INSTRUCTIONS FOR USE

Admix CP 300 is totally miscible in water. It is to be added to the concrete mixture during the mixing cycle at the same time as the mixing water. No extension to normal mixing time is necessary.

DOSAGE RATES

Trials should be conducted to determine the optimum dosage of **Admix CP 300** for a particular mixture. A dosage of 500 to 1700 ml per 100 kg of cementitious materials can be practiced.

Dosage and batching

Dosage can be adjusted to meet mix design requirements or to meet specific job site conditions. Trial concrete mixes must be carried out to determine the appropriate dosage.

An Independent dispenser and feed line must be used.

Admix CP 300 can be added to the mixed concrete. Addition to any dry concrete mix is not recommended.

EFFECTS OF OVER DOSING

A severe over dose of **Admix CP 300** will result in the following:

- Delay in setting
- Higher workability
- Higher Ultimate strength when curing practices are implemented as per ACI 308R.

COMPATIBILITY

Admix CP 300 can be used in all types of Portland cements, sulfate-resisting cement, and concrete with cementitious materials. **Admix CP 300** should be dispensed directly into the mixer and should not be pre-mixed with other admixtures. If other admixtures are to be used in concrete containing **Admix CP 300**, they must be dispensed separately. Consult the company's technical dept. for advice.

SPECIFICATION CLAUSE

Admix CP 300 is Mid-range Superplasticizing concrete admixture manufactured to the following specification:

Admix CP 300 can be used in all concrete as mentioned at dosage between 500 to 1500 ml per 100 kg of cementitious materials in accordance with the manufacturer's instructions.

Specific Gravity 1.16 ± 0.03 - 1.175 ± 0.015 (KSA)

Complying with:

EN 934-2 Table 2

ASTM C-494: Types A & D

BS 5075 Part 1 (superseded by EN 934-2)

Composition: High molecular weight refined synthetic polymers derivatives and other refined chemicals.

DISPENSING

It is preferable that liquid admixtures for concrete should be introduced into a mixer by means of automatic dispensing equipment. Such equipment can be supplied by the company.

PACKAGING

Admix CP 300 is supplied in: Bulk, barrels.
Storage tanks can be provided for bulk use.

STORAGE

Admix CP 300 can be stored up to 1 year from manufacturing date under cover, out of direct sunlight and protected from extreme temperatures.

HEALTH & SAFETY

In case of frost, the product recovers its properties after progressive thawing and homogenizing by agitation. In case of contact with skin or eyes, rinse thoroughly with water. If irritation persists, seek medical attention. If swallowed, do not induce vomiting and seek medical attention.

QUALITY STATEMENT

All our products are manufactured to comply with our internal QA/QC program and quality management system to ensure consistency and quality.

DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's office in your location.

NOTE

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*Available only in KSA