

WATER-REDUCING & RETARDING ADMIXTURE

PRODUCT

Admix CP 305 is a water-reducing and retarding admixture for concrete. It does not contain calcium chloride or any other chemicals which could be harmful to the durability of reinforced concrete. Admix CP 305 enables easier placing, compaction and finishing of concrete and may be used to reduce the water content whilst retaining the same workability resulting in higher strengths. Admix CP 305 may also be used to reduce the overall cement content for specified strength and durability. Admix CP 305 can also improve the cohesion of concrete mixes based on poor quality materials having a higher water demand.

PROPERTIES

Admix CP 305:

- Allows the retention of the original slump over time in addition to the normal properties of a plasticizer.
- Increases the ultimate strength of the concrete.
- Reduces segregation and bleeding.
- Improves the appearance of the concrete.

SCOPE OF USE

Admix CP 305 is ideal to use in hot-weather conditions where the slump retention over time is important for transportation.

- Transported concrete
- Pipe prefabrication
- General reinforced concrete
- Ready-mix concrete
- Heavy prefabrication
- Pumped concrete

CHARACTERISTICS

Appearance	Liquid
Color	Light Brown
Specific gravity	1.08 ± 0.02
Chloride content	Zero to BS 5075

APPLICABLE STANDARDS

Admix CP 305 complies with:
ASTM C 494 Types A & D.

INSTRUCTIONS FOR USE

Admix CP 305 is totally miscible in water. It is to be

added to the concrete mixture during the mixing cycle at the same time as the water. No extension to normal mixing time is required.

DOSAGE

Trials should be conducted to determine the optimum dosage of Admix CP 305 for a particular mix. A dosage of 200 to 1100 ml per 100 kg of cement is recommended. This may be changed to higher dosage in high ambient and mixture temperature conditions. At temperature below 20°C, preliminary tests should be carried out for dosages higher than 0.8%.

EFFECTS OF OVER DOSING

A severe over dose of Admix CP 305 will result in the following:

- Delay of the initial and final setting times
- Increased workability

Providing it is properly cured, the ultimate strength of the concrete will not be adversely affected and will generally be higher than that of the normal concrete.

COMPATIBILITY

Admix CP 305 can be used in all types of portland and sulfate-resisting cements. For use with other cements, contact the company's technical service department. Admix CP 305 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 305, they must be dispensed separately. Consult the Company's Technical Dept. for advice.

SPECIFICATION CLAUSE

Admix CP 305, a plasticizing concrete admixture is manufactured to the following specification:

Admix CP 305 can be used in all concrete mixtures as mentioned, at dosage between 200 and 1100 ml per 100kg of cement in accordance with the manufacturer's instructions.

DISPENSING

It is preferable that liquid admixtures for concrete should be introduced into a mixture by means of automatic dispensing equipment.

Admix CP 305

PACKAGING

Admix CP 305 is supplied in:

Bulk, barrels.

Storage tanks can be provided for bulk use.

STORAGE

Admix CP 305 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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