Admix CP 315

ADMIXTURES & CONCRETE RELATED PRODUCTS

Water-reducing/retarding/Plasticizing admixture

PRODUCT
Admix CP 315 is a water reducing / retarding / admixture which acts on the cement particles in a concrete mixture to make it more workable and helps maintain workability for considerable period. It also helps to maintain cohesion and prevents segregation even when using higher dosage rate.

PROPERTIES
Admix CP 315:
- Allows the retention of the original slump over time in addition to the normal properties of a plasticizer.
- Improves the density of the concrete and reduces capillary absorption.
- Increases the ultimate strength of the concrete.
- Reduces segregation and bleeding.
- Improves the appearance of the concrete.

SCOPE OF USE
Admix CP 315 is ideal to use in hot-weather conditions where the slump retention over time is important for transportation. It is also used to optimize the dosage of cement, especially in precast concrete.
- Transported concrete
- Pipe prefabrication
- General reinforced concrete
- Ready-mix concrete
- Heavy prefabrication
- Pumped concrete

CHARACTERISTICS	
Appearance	Liquid
Color	Dark Brown
Specific gravity	1.110 ± 0.04
Chloride content	Zero to BS 5075
Air entrainment	Up to 2% depending on the admixture dosage and mixture proportioning

APPLICABLE STANDARDS
Admix CP 315 complies with:
ASTM C 494 Types A & D.
BS 5075 Part – 1, BS EN 934, Part 2.

INSTRUCTIONS FOR USE
Admix CP 315 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 315** for a particular mix. A dosage of 200 to 900 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%.

EFFECT OF OVER DOSING
Severe over dose of **Admix CP 315** will result in the following:
- Delay of the initial and final setting of the concrete mixture
- 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 315 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 315** 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 315**, they must be dispensed separately. Consult the Company's Technical Dept. for advice.

SPECIFICATION CLAUSE
Admix CP 315, a plasticizing and retarding concrete admixture manufactured to the following specification:
Admix CP 315 can be used in all concrete mixtures as mentioned, at dosage between 200 and 900 ml per 100 kg of cement in accordance with the manufacturer's instructions.

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

PACKAGING
Admix CP 315 is supplied in:
Bulk, barrels
Storage tanks can be provided for bulk use.

STORAGE
Admix CP 315 can be stored up to 1 year from manufacturing date under cover, out of direct sunlight and protected from extreme temperatures.

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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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