

CAPLAST-A

CHLORIDE FREE, WATER REDUCING & ACCELERATING ADMIXTURE

DESCRIPTION

CAPLAST-A is a chloride free accelerating admixture for concrete, mortar and all cement based mixes. It accelerates the strength development of such mixes at all temperatures.

FEATURES

The ingredients present in CAPLAST-A increases the rate of hardening of cement and concrete mixes by increasing the hydration rate of cement.

STANDARDS

CAPLAST-A complies with the specifications of ASTM C-494 Type E.

USES

CAPLAST-A can be used for producing good quality concrete with or without reinforcement in cement tiles manufacturing, marine works, prefab industries and where accelerated hardening is a requirement.

ADVANTAGES

- Chlorides free; safe in pre-stressed and reinforced concrete.
- The superior plasticizing action gives increased workability and/or increased strength.
- Early stiffening improves frost resistance.
- Particularly effective for concreting at low temperatures.
- Early form work removal.

TYPICAL PROPERTIES

Appearance:

Clear light brown liquid

Specific gravity:

1.320 at 25°C.

Air entrainment:

Complies with ASTM C-494 Clause 12.2.1

Toxicity: Non-toxic.**Compatibility with cement:**

Compatible with all types of cement.

Compatibility with other admixtures:

Compatible with other Ahlia admixtures, provided they are added separately to the mix.

Shelf life:

At least 18 months in tightly closed original containers.

DIRECTIONS FOR USE

CAPLAST-A is supplied ready to use. It should be added to concrete mixes during mixing process preferably at same time along with mix water.

Dosage:

Site trials are necessary to determine the optimum dosage of CAPLAST-A taking into account proposed mix design and performance requirements.

The recommended dosage range for concrete and mortar mixes with all grades of Portland cement is 2.0 to 3.0 liters per 100 kg cement.

Dispensing:

Best by dispenser into the gauging water or directly with water into the mixer.

Overdosing:

An overdose of double the recommended dose will result in an increase of initial acceleration, but will not alter the ultimate strength or characteristics of the cured concrete or mortar.

SAFETY PRECAUTIONS

CAPLAST-A is nontoxic and non-flammable. Splashes to eyes and skin should be washed off at once with water. It is advisable to use goggles and gloves while handling CAPLAST-A.

PACKAGING

CAPLAST-A is supplied in 205 liter barrels and 20 liter pails

STORAGE

Preferably store in sealed conventional containers, protected from extreme weather conditions.

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TECHNICAL SERVICE:

Our Technical Service Department is available at any time to advise you in the correct use of this product or any other Ahlia products.

Note : The information presented herein is based on the best of our knowledge and expertise for which every effort is made to ensure its reliability. Although all the products are subjected to rigid quality tests and are guaranteed against defective materials and manufacture, no specific guarantee can be extended because results depend not only on quality but also on other factors beyond our control.

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