

# CAPLAST-AWA

## ANTI WASH OUT ADMIXTURE

### DESCRIPTION

CAPLAST-AWA is an anti washout admixture for under water concreting. When added to concrete CAPLAST-AWA produces gel in water phase which surrounds the cement particles and other fines of the concrete mix and protects them from excessive wash out during placing as well as after placement.

### FEATURES

CAPLAST-AWA reduces the tendency of cement particles and fines to be washed out of the concrete during placement.

### USES

CAPLAST-AWA can be used:

- To minimize the washout of the concrete placed underwater.

### ADVANTAGES

- Increased internal cohesion of the concrete mix, reducing the tendency of cement and other particles to be washed out of the mix during placement.
- Reduction in segregation of the concrete mix during placement.
- No effects on slump characteristics compare to control mix.

### TYPICAL PROPERTIES

#### Appearance

Turbid viscous liquid.

Density @ 25<sup>0</sup> c

About 1.00 kg/liter

#### Chloride content

Nil to Bs 5075

#### Air entrainment

A marginal increase in air entrainment will be noticed compare to control mix.

#### Toxicity

Non-toxic.

#### Compatibility with cement

Compatible with all type of cements, except high alumina cement.

#### Compatibility with other admixtures

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

### Shelf life

At least 12 months in tightly sealed containers at normal ambient temperature.

### DIRECTION FOR USE

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

### Dosage

Trials should be carried out to determine the optimum dosages of CAPLAST-AWA, taking into account the proposed mix design, performance requirements and site conditions.

As a general guide, a dosage range of 0.4 liter to 0.5 liter per 50 kg cement is recommended as a starting point.

### Dispensing

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

### Overdosing

An overdose of the double the recommended dosage results in the following.

- Retardation of initial and final setting time.
- Decrease in workability
- Increase in air entrainment.
- Decrease in compressive strength.

Provided if properly cured the compressive strength of concrete will not be adversely affected.

### SAFETY PRECAUTIONS

CAPLAST-AWA is non toxic and non flammable. Splashes to eyes should be washed immediately with abundant water. It is advisable to use goggles and gloves while handling CAPLAST-AWA

### PACKAGING

CAPLAST-AWA is supplied in 205 liters 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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