DESCRIPTION
CAPLAST-N is a normal water reducing plasticizer for concrete mixes which improves the workability by reduction in water and improvement in ultimate compressive strength of concrete without effecting set retardation.

FEATURES
CAPLAST-N functions as a normal water reducing plasticizer when added to concrete mixes, by getting adsorbed onto the cement surface which results in powerful deflocculating action and more uniform dispersion of cement particles throughout the mix.

STANDARDS
CAPLAST-N complies with the specifications of ASTM C 494 type A. And B.S 5075 Part1

USES
- In pre-cast, ready mixed and site batched concrete manufacture.
- In pre-stressed concrete.
- In concrete brick and block manufacture.
- Wherever water reduction would be beneficial to increase impermeability.

ADVANTAGES
- CAPLAST-N significantly improves workability thereby easy placing.
- Improves cohesive properties of concrete thereby reducing segregation and bleeding.
- Allows water reduction around 10% with same workability, thereby increasing strength, durability and impermeability.
- Economical mix designs can be achieved by reduction in cement.
- Improves surface finish, trowellability and pumpability.

TYPICAL PROPERTIES
Appearance:
Deep brown clear liquid.

Specific gravity:
1.130 at 25°C

Chloride content:
Nil to BS 5075 : 1982

Air Entertainment:
Complies with requirement of ASTM C494 clause 12.2.1

Shelf life:
At least 18 months if stored in tightly closed containers at normal ambient temperature.

Toxicity:
Non toxic

Compatibility:
CAPLAST-N is compatible with all types of Portland cement including sulfate-resistant cement.

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

DIRECTIONS FOR USE
CAPLAST-N 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:
Field trials should be conducted to determine the optimum dosage of CAPLAST-N with actual concrete mix and job conditions. A dosage rate of 0.15 to 0.50 ltrs per 50 kg of cement is recommended as a starting point. Higher dosage up to 0.6 liter per 50 kg of cement can be used depending on desired properties.

Dispensing:
Best by dispenser into the gauging water, or directly with water into the mixer.
**Overdosing:**
An overdose of double the recommended dosage will result in the following:
- Retardation of initial set.
- Increase in workability.
- Increase of air entrainment.

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

**PACKAGING**
CAPLAST-N is supplied in bulk (by arrangement), 205 liter barrels or 20 liter pails.

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

**SAFETY PRECAUTIONS**
CAPLAST-N is non-toxic and nonflammable. Splashes to eyes and skin should be washed off at once with abundant water. It is advisable to use goggles and gloves while handling CAPLAST-N.