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## CRETOPLAST AD-1303

[Superplasticizer for Concrete]

### Description

CRETOPLAST AD 1303 is the latest development of superplasticizer for concrete. It meets the requirements for high range water reducing superplasticizers

### Uses

CRETOPLAST AD 1303 is a unique multipurpose superplasticizer that is particularly suitable for the production of ready mixed concrete. Additionally it provides high water reduction and improved fresh concrete characteristics.

With its outstanding cost / performance CRETOPLAST AD 1303 is used for the following:

- ❖ A wide range of applications where excellent workability is requested
- ❖ Concrete with high water reduction
- ❖ High efficient concrete applications
- ❖ Pumped concrete
- ❖ Self compacting concrete
- ❖ High Grade concrete (M-45 and Above)
- ❖ Concrete requiring long workability and Long retention

### Advantages

- ❖ CRETOPLAST AD 1303 is a powerful superplasticizer based on advanced technology Which gives the following advantages:
- ❖ Strong water reduction, resulting in high density, high strength and reduced Permeability
- ❖ Less sensitive against variations in aggregates and / or different cement types
- ❖ High efficiency even at low dosage rates
- ❖ Extended workability in conjunction with subsequent strength development
- ❖ Superior plasticizing effect, resulting in improved flow, placing and compaction

### Characteristics

Approval Standard : Complies with IS 9103-1999, ASTM C494

### Storage

12 months from date of production if stored properly in undamaged unopened, original sealed packaging, in dry conditions at temperatures between +10°C and +40°C. Protect from direct sunlight and frost.

### Technical Data

Chemical Base	Modified Polycarboxylate
Relative Density	-1.08 kg/l at 25°C

### Consumption

0.5 % to 2.0 b. w. o. c. Optimum dosage has to be finalized through site trials. Stir well before use.

## CRETESTONE PRIVATE LIMITED



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CRETOPLAST AD 1303 is added to the gauging water or added mixer. To take advantage of the high water reduction, a wet mixing time, which is depending on the mixing conditions and mixer performance, of at least 60 seconds is recommended. To avoid excess water in the concrete, the final dosage must begin only after 2/3 of the wet mixing time.

#### **Application Method**

The standard rules of good concreting practice, concerning production and placing, are to be followed. Laboratory trials shall be carried out before concreting on site, especially when using a new mix design or producing new concrete components. Fresh concrete must be cured properly and curing applied as early as possible.

#### **Health & Safety**

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

#### **Color**

Light Brown liquid

#### **Packing**

230 kg HDPE carboy or Tanker supply.

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