



# CONCET ES

## Accelerating & Water Reducing Admixture

### DESCRIPTION

**CONCET ES** Accelerating & water-reducing admixture employs the latest advancements in polycarboxylate technology and is formulated to meet the demands of the precast/pre-stressed concrete industry. It maximizes cement efficiency, maintains consistent air contents, and has excellent set/strength gain characteristics.

It improves the plastic and hardened properties of concrete such as workability, compressive and flexural strengths. It is compatible with air entraining agents, but should be dispensed separately into the concrete mix.

### PRIMARY APPLICATIONS

- Precast/pre-stressed concrete.
- Cold weather concreting.
- Structural concrete.
- Paver tiles.
- Concrete block.
- Concrete pipe and many pre-cast items.
- Electric poles.
- Spun Pipes.

### FEATURES/BENEFITS

- Reduces initial set.
- Provides high early strength for fast form stripping.
- Cuts construction cost - no cold weather delays.
- Improved cement hydration.
- Densifies.
- Concrete Minimizes bleeding and segregation.
- Increases durability.

### TECHNICAL INFORMATION

<b>Appearance:</b>	<b>Brown colour liquid</b>
<b>Base:</b>	Polycarboxylate Ether
<b>Specific gravity:</b>	1.04± 0.02
<b>Air content</b>	<1%
<b>pH value:</b>	Minimum 6
<b>Chloride content (%):</b>	Nil
<b>Storage:</b>	Under shade
<b>Shelf life:</b>	12 months

## PACKAGING

CONCET ES is packaged in bulk, 230KG OR 250KG HDPE Barrel.

## SHELF LIFE

11 months in original, unopened container.

## SPECIFICATIONS/COMPLIANCES

CONCET ES meets or exceeds the requirements of: •  
ASTM C 494, Type A and Type E.

## DIRECTIONS FOR USE

Concrete admixture is added to the concrete after addition of desired amount of water during mixing of concrete in mixer.

### DOSAGE/USAGE

Generally dosed in the range of 0.5 to 1.0% by weight of cementitious materials. But go for trial mix for finalizing the dosages.

Various types and higher grades of concrete more than M 45.

Recommended to use 300-600 ml per 50 kg of Cement

Higher dosages are acceptable with prior testing and confirmation of the desired performance with specific materials being used.

CONCET ES should be added to the initial batch water when possible. It should not come in contact with dry cement or other admixtures until mixed thoroughly with the concrete batch.

Field testing is strongly recommended to optimize dose range and performance expectations with local materials.

CONCET ES is compatible with most admixtures including air-entraining agents, accelerators, most water-reducers, retarders, shrinkage reducers, corrosion inhibitors, viscosity modifiers, and microsilica; however, each material should be added to the concrete separately.

## PRECAUTIONS/LIMITATIONS

- Care should be taken to maintain CONCET ES above freezing.
- Never agitate with air.
- Add to concrete mix independent of other admixtures.
- In all cases, consult the Safety Data Sheet before use.
- CONCET ES should not be added in dry mixes under any circumstances if used for cement reduction without loss in strength, the dose Of CONCET ES depends on mix design.

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