



# CONCET SF 550

## Accelerating & Water Reducing Admixture

### DESCRIPTION

**CONCET SF 550** 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

### 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>White colour liquid</b>
<b>Base:</b>	Melamine
<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 SF 550 is packaged in bulk, 230KG OR 250KG HDPE Barrel.

## SHELF LIFE

11 months in original, unopened container.

## SPECIFICATIONS/COMPLIANCES

CONCET SF 550 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 SF 550 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 SF 550 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 SF 550 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 SF 550 should not be added in dry mixes under any circumstances if used for cement reduction without loss in strength, the dose Of CONCET SF 550 depends on mix design.

**WARRANTY:** The Concet Construction Solutions ("Concet") solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Concet, no other representations or statements made by Concet or its representatives, in writing or orally, shall alter this warranty. Concet MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Concet product fails to conform with this warranty, Concet will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Concet does not authorize anyone on its behalf to make any written or oral statements which in any way alter Euclid's installation information or instructions in its product literature or on its packaging labels. Any installation of Concet products which fails to conform with such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Euclid's products for the Buyer's intended purposes.