

# CEMAX F-300



## High Performance Polymer PCE based Superplasticizer (High Range Water Reducer)

### PRODUCT DESCRIPTION

CEMAX F-300 is specially formulated with third generation super plasticizer based on polycarboxylate ether polymer with long lateral chain. CEMAX F-300 is used to produce rheology modified concrete based on modified synthetic carboxylate polymer and, suitable for wide range of concrete grades and intended for application of High performance concrete.

### APPLICATIONS

CEMAX F-300 is particularly suitable for precast concrete and special performance concrete of prestress structure with early concrete strength requirement.

### ADVANTAGES

- Provides high early strength concrete without increase in cement content.
- Because of low water cement ratio, reduces the risk of shrinkage crack.
- Can perform the concrete water impermeable
- Suitable for Precast concrete work.
- Suitable for other cement replacement additive of fly ash and Silica fume.

Advantage for concrete structural member,

- Resistance to carbonation
- Shrinkage and creep reduction

- Increase durability
- Water impermeability can advantage to low risk in structural steel corrosion

### PROPERTIES

Nature:	Liquid
Appearance:	Brownish liquid
Type:	Super plasticizer
Class:	ASTM C-494 Type –A & F , BS EN 934-2
Specific Gravity: (25°C)	1.08 ± 0.02g/cm <sup>3</sup>

### DOSAGE

Dosage rates vary dependent on mix design, process, Aggregate type and the desired effect but typically: 0.7% - 1.5% by weight of cement (binder). The correct dosage should always be determined by laboratory and batch trials.

### STANDARDS

CEMAX F-300 complies with the requirements of BS EN 934-2 and ASTM C-494

### STORAGE

CEMAX F-300 should be stored undercover and protected from extreme temperatures, if stored between the range 5°C to 40°C the product will have a minimum shelf life of 12 months.

### PACKAGING

20 liters pail, 200 liters drum and 1000 liters IBC tank.