

Construction Chemicals Polycarboxylate Ether

Construction Chemicals Polycarboxylate Ether is a new generation superplasticizer based on modified polycarboxylate particularly recommended for ready mixed concrete and civil engineering construction. Its particular configuration allows its delayed adsorption onto the cement particles and disperses them efficiently.

Applications & Advantages

1. Produce high quality durable concrete.
2. Powerful plasticizing action with an improved initial workability, easier placing and faster strength development.
3. High water cement ratio which allows production of high strength concrete.
4. Long slump retention property with capability of delivering high performance concrete at any time to the job site place.
5. It can be either used alone or after compounded with other additives to make special concrete such as pumping concrete, ready mixed concrete etc.

Usage:

Polycarboxylate Superplasticizer must preferably be added in the mixing water and in case of ready mixed concrete where the product can be added on fresh concrete and in a mixing truck.

Dosage

The optimum dosage of Construction Chemicals Polycarboxylate Superplasticizer to meet specific requirements should always be determined by trials using the materials and conditions that will be experienced in use.

Dosages outside the normal range quoted above can be adopted to meet particular mix requirements.

Setting

Polycarboxylate Superplasticizer affords excellent control over initial and final setting times. Setting times of concrete mixes are related to cement type, mix design, and ambient temperature.

Compatibility

Polycarboxylate Superplasticizer should not be used in conjunction with any other admixture unless prior approval is obtained from Zhuoxing Chemical.

Quality Specification

Item	Unit	Standard
Appearance	/	White or light yellow to brown viscous liquid
Density	g/cm ³	1.10±0.02
PH	/	5-7
Solid content	%	50±1.0
Water reducing ratio	%	≥25
Cl ⁻	%	≤0.02
Na ₂ SO ₄	%	≤0.3

Usage

1. Generally, the dosage range is 0.25%—0.8%, it can be beyond this range properly for special cements or aggregates.
2. The recommended stirring time is at least 150s for good water reducing effect.
3. It can be compounded with various retarders and sodium

lignosulphonates.

Packing: Flexitank, 22 MT/20'GP; 230kg/barrel, 18.4 MT/20'GP; 1100

KG/IBC drum, 22 MT/20'GP

Shelf time: One year

