

Concrete Admixture Carboxylic Ether Polymer

Concrete Admixture Carboxylic Ether Polymer is new generation superplasticizer based on modified carboxylic ether polymer 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.

Usages and Dosage:

1. Generally, the dosage range is 0.25%—0.8% per 100kg of total cementitious materials, it can be beyond this range properly for special cements or aggregates.
2. The compounding rate for specific cements is determined by tests. Recommended stirring time is at least 150s for good water reducing effect. The concrete mixing tests should be carried out before using so as to assure the concrete quality.
3. It can be compounded with various retarders, defoamers, air entraining agents and sodium lignosulphonate.

Application:

Concrete Admixture Carboxylic Ether Polymer is applicable to various ready mix concrete for industrial and civil architectures, especially to low grade commodity concrete.

It is particularly applicable to various national construction works with high performance requirements for the concrete, such as water industry, marine works, seaports, traffics, electric powers etc.

It is applicable to the special concrete, such as high strength, high durability, self-compacting concrete.

Setting

Concrete Admixture Carboxylic Ether Polymer affords excellent control over initial and ultimate setting time. Setting time of concrete mixes is 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.

