



Shandong Zhuoxing Chemical Co., Ltd.
Zibo Zhuoxing Enterprises Co., Ltd.

polycarboxylic copolymer is our company in 2005 the latest development of high-performance water reducer, free of harmful substances formaldehyde and chloride ion, is the most popular environmental friendly concrete admixture. The product performance is stable, long-term storage, no stratification, no precipitation, no crystallization in winter; It is especially suitable for the preparation of high durability, high flow, high strength pumping concrete as well as the appearance of high quality requirements of the fair-faced concrete project.

Index of homogeneity

Appearance	Colorless to yellowish liquid
Solid content	20%
Cl-	0.6%max
Fluidity of cement slurry	240mm min

Concrete performance index

1. Low dosage and high water reduction rate. The dosage is usually 0.5% ~ 1.2% of the dosage of cementing material, and the water

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reduction rate can reach more than 25%. The recommended dosage is 1.0% for the configuration of C50 commercial concrete.

2, and cement, admixture and other admixtures of the miscibility is good, concrete 2 ~ 3 hours slump is basically not lost, and almost not affected by temperature changes.

3, concrete cohesion is good, no segregation, no bleeding, easy to pump construction.

4, the polycarboxylic copolymer surface without bleeding waterline, no big bubbles, color difference is small, the concrete appearance quality is good.

5, the application range is very wide, can be used to prepare different performance requirements of concrete, especially for C20 ~ C100 high-performance concrete.

6, polycarboxylic copolymer can effectively control the early hydration of cement in concrete, suitable for the preparation of mass concrete, especially for the preparation of large amount of fly ash and slag concrete. At room temperature, the setting time of concrete is related to the molecular structure of water reducer and the mineral properties of cement.

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7. It has a certain shrinkage reduction effect. The 28-day shrinkage rate is more than 20% lower than naphthalene series water reducer, and the shrinkage ratio of concrete is less than 100% compared with blank standard concrete.

8. Compared with blank concrete, the 3-day compressive strength is increased by 50% ~ 100%, the 28-day compressive strength is increased by 40% ~ 80%, and the 90-day compressive strength is increased by 30% ~ 50%.

9. It has the effect of slight air induction. The air content of concrete mixed with the water-reducing agent is generally in the range of 2.0% ~ 3.0%.

Usage

1. The dosage (by weight) is 0.5% ~ 1.2% of the amount of cementing material. The dosage can be increased to more than 1.2% when preparing C60 + high-strength fluidity concrete.

2. This product shall not be combined with naphthalene series water-reducing agent. When used with other admixtures (such as retarder, rust inhibitor, etc.), the compatibility test of concrete shall be conducted in advance.

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