



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

Water reducer polycarboxylic acid superplasticizer

After adding Water reducer polycarboxylic acid superplasticizer in concrete, due to the variety is different, the effect is also different, most of the physical effect, such as adsorption on the surface of cement particles to form an adsorption film, changed the potential, produce different suction or repulsion;

Some will destroy the flocculation structure, improve the stability of the cement diffusion system, improve the conditions of cement hydration: some can form a macromolecular structure, change the adsorption state of the surface of cement particles;

Some reduce the water's surface tension and surface energy, etc.; a few are directly involved in chemical reactions, forming new compounds with the cement.

Because the admixture can effectively improve the performance of concrete, and has good economic benefits.

It has been widely used in many projects and has become an indispensable material in concrete.

In particular, it can reduce the use of agents.

Mobile/Wechat:0086 13053363281,0086 17865273019

Mail:sales@zhuoxingchem.com,sales02@zhuoxingchem.com

Web site:<https://www.sdzhuoxingpce.com>,www.zhuoxingchem.com



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The cement particles can be fully dispersed, the water consumption is greatly reduced, and the potential of cement is fully exerted.

The cement stone is relatively dense, pore structure and interface area microstructure has been very good improvement, so that the physical and mechanical properties of concrete has been greatly improved, whether it is impermeable, or chloride ion diffusion, carbonization, sulfate erosion resistance.

As well as impact resistance, wear resistance and other aspects are better than the concrete without admixtures, not only improve the strength, improve workability.

It can also improve the durability of concrete.

It is possible to make high performance concrete with high construction property, high strength and high durability only by mixing water reducing agent.

(1) Characteristics

New compound type raw material for newly developed polycarboxylate high performance water-reducing admixture.

(2) Application

This product is mainly used in the production of polycarboxylate high

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performance concrete water-reducing admixtures.

(3) Features

Polycarboxylate superplasticizer synthesized by this product has higher water-reducing rate, higher slump retention, low form, low energy consumption and other features.



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