



Shandong Zhuoxing Chemical Co., Ltd.
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polycarboxylate superplasticizer polymer

The important role of water reducing agent in engineering

Concrete admixtures can not only meet the production requirements of segments, but are superior to aliphatic superplasticizers in production technology, strength and durability. The following is to introduce the important role of water reducing agent in engineering.

The concrete admixture is an important material to ensure the quality of the whole project. Admixture of concrete admixtures in engineering can greatly improve the workability of concrete, increase the density of concrete, and then improve the strength and durability of concrete.

Adding admixtures can improve the fluidity of mixtures; Space stabilizing effect, anchoring effect to reduce slump loss; The role of electrostatic steric and spatial steric effects. Under different seasonal conditions and temperature conditions, concrete admixtures have good adaptability and good slump protection performance.

Concrete admixture dosage is low, concrete is very sensitive to the dosage of admixture, mixing machine measurement must be accurate, error should be less than $\pm 1\%$, such as measuring equipment

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precision can not reach, dosage is not allowed, will lead to concrete out of the machine control difficulty to increase, slump instability. In order to avoid the admixture in the measurement process of impulse is too large, the use of smaller measuring containers, and in the use of regular check. With the release of water reducing action of concrete admixture, water and water reducing agent mixed particles are gradually released, the concrete admixture of comb molecular chain will eventually concrete into water particles wrapped cement particles, just make the concrete appear good mobility.

Admixtures are sensitive to the quality of sand and stone, especially the content of mud in sand and stone powder, so the quality of key indexes of sand and stone should be strictly controlled.



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Application area



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