



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

Polycarboxylate Superplasticizer add in concrete

The Polycarboxylate Superplasticizer add in concrete has the functions of retarder, strengthening, plasticizing, low slump loss, good pumpability, and can reduce the peak heat release of cement hydration. This product is non-toxic, non-flammable, no corrosion of steel reinforcement, can be widely used in construction, roads, Bridges, hydraulic and underground engineering and other types of pumping concrete, when there is no need for pumping, can be adjusted as a retarder efficient admixture. This product implements JC473-2001 "concrete pumping agent", GB8077-2012 "concrete admixture homogeneity test method" standard.

The performance characteristics

1. Enhancement effect: under the premise of the same slump and the same cement dosage as the reference concrete, the water reduction rate can reach 16-18%, and the strength of concrete at all ages can be significantly improved, increasing 70-80% in 3-7 days and 15-30% in 28 days.
2. Pumping performance: it has significant pumpability. Compared with the reference concrete, under the premise of the same water-cement ratio, the value added of slump is $\geq 100\text{mm}$, and the 2-hour slump loss rate is $< 20\%$.
3. Impermeability index: it can reduce water consumption and increase the self-compacting effect of concrete. Compared with the reference concrete, impermeability can be improved by more than 50%.
4. Retarding effect: it can significantly increase the fluidity of concrete, improve the operability, delay the peak heat release of cement hydration, avoid the phenomenon of cold joint in construction and effectively improve its anti-crack and waterproof performance.
5. Smooth surface: when mixed with the concrete of this product, its viscosity, gas content and bleeding phenomenon can be effectively improved, making the surface of all kinds of concrete smooth and beautiful.
6. Tensile flexural strength: This product has the function of first retarder and then early strength. Under the premise of ensuring the dosage, it can meet the required strength of CONCRETE 3d tension (except retarder time) and increase the flexural strength of 28d

Method of use

The content range of Polycarboxylate Superplasticizer add in concrete is 1.7 ~ 2.2% (based on the amount of cementing material), which can be adjusted and determined within the recommended range according to the adaptability to cement, the change of temperature and the requirement of concrete slump. Can be directly mixed with powder, can also be prepared into a solution for use. Site mixing, appropriately extend 30 seconds,

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commercial concrete does not need to extend the mixing time. When using this product, the adaptability of concrete and cement should be tested in advance according to the proportion of concrete.

Range of application

Polycarboxylate Superplasticizer add in concrete is applicable to all kinds of pumped concrete, mass concrete, high-rise buildings, roads, Bridges, hydraulic engineering, underground engineering and other pumping concrete construction, also applicable to underground and underwater concrete pouring.



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Related products



FAQ

Q: Are you a trading company or a manufacturer?

A: We are one of the largest manufacturers in China and have a history of more than 10 years.

Q: How long is your delivery time?

A: Generally it is 5-10 days, and it can also be based on quantity.

Q: Can you provide technical support?

A: Yes, we can provide online technical assistance or on-site technical assistance.

If you have any other questions, please feel free to contact us.

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