



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

concrete construction polycarboxylate superplasticizer

The product description

concrete construction polycarboxylate superplasticizer is a kind of retarded admixtures, high retarding, high water reducing rate, and good adaptability to cement, and the characteristics of green environmental protection, can be in a long time to keep the concrete better plasticity, reduce slump loss, reduce the mass concrete adiabatic temperature rise, reduce shrinkage, creep, the characteristics of reinforced non-corrosive, used with standard department of poly carboxylic acid additive effect is a plus. It is especially suitable for the configuration and engineering application of concrete in summer and conforms to China concrete admixture standard GB8076-1997 and GB50119-2003 concrete admixture Application Technical Specification. This product contains 40% solid, PH 6 ~ 7, concrete water reduction rate is more than 25%, especially suitable for premix concrete, is not sensitive to silt content, water consumption, mechanism sand and fine sand.

The performance characteristics

1. Excellent slump protection performance: basically no loss of slump within 60min, easy to transport to the casting site in high temperature environment.
2. Significant enhancement effect: high water reduction rate, improve the strength of concrete at all ages.
3. Excellent retarding effect: it can significantly increase the fluidity, improve the working performance, and effectively improve the anti-crack and waterproof performance.
4. Good impermeability: good compactness and low voidage.
5. Better performance: it significantly improves workability, water retention and bleeding of fresh concrete.
6. Smooth surface: the concrete mixed with this product has the characteristics of strong cohesion, low gas content and low bleeding rate, etc., which can effectively improve the surface finish and beauty of all kinds of clear concrete such as viaducts, expressways and Bridges.

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Method of use

In the use of concrete construction polycarboxylate superplasticizer, although compared with the common naphthalene series admixtures, has a good compatibility, should also be the first cement compatibility test. Some cement may have low water reduction rate and large slump loss, etc. It is suggested to solve the problem by appropriately increasing the dosage, compounding other retarder components or post-mixing. After mixing this product, the air content of concrete increases slightly (generally 1.0%), which is beneficial to improve the workability and durability of concrete.

Range of application

concrete construction polycarboxylate superplasticizer is suitable for all kinds of pumping concrete, mass concrete, elevated highway, highway, bridge, hydraulic and other concrete construction; Mass concrete, self-compacting concrete and high-strength concrete under hot weather; Commercial concrete, large fluidity concrete, pumping concrete and so on that need long-distance transportation.



Pay attention to the point

1. When the type of cement is changed or new cement is imported, the compatibility test of cement should be done.
2. It must be measured correctly according to the test mix ratio, and concrete pouring should be done in strict accordance with construction specifications.

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3. For the concrete requiring delayed setting, the setting time should be checked in advance according to the concrete test match.

4. As with the conventional concrete works, the maintenance must be strengthened according to the construction specifications.

5. In addition to the role of additives, concrete construction in winter must be covered with straw bale, plastic film and other anti-freeze insulation measures, and strengthen the maintenance according to the construction specifications.

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