

COSTAR RETARDER 120

PCE Based Water Reducing and Retarding,
Plasticizing admixture

Description

Costar retarder 120 product is suitable for improving the performance of polyether superplasticizer, including improving the adaptability of polyether superplasticizer to cement in concrete, improving the stability of water reducing agent, reducing concrete bleeding, reducing high grade concrete viscosity, improve the concrete pumping. This product can also reduce the amount of water-reducing agent.

Characteristics

- To improve the adaptability of cement;
- Reduce the slump loss; incorporation of pumping agent, can reduce the loss of slump;
- Reduce the bleeding;
- Reduce the viscosity of concrete; the preparation of high-grade concrete, can reduce the viscosity of concrete, improve pumping;
- Reduce the amount of ether superplasticizer: the addition of this product, the ether superplasticizer in the concrete content can be reduced;
- Green products: the production and use of the product does not produce pollution of the natural environment, in line with ISO14000 environmental protection and management of international standards.

Instructions

- The product is suitable for the formulation of high performance polyether superplasticizer to improve its high-performance concrete, high strength concrete, large flow of concrete in the application performance.
- The product should be used in the blending polyether superplasticizer, before use to be tested, qualified products and formulations can be used for concrete production

Technical Data

Chloride Content	Specific Gravity	Air Entrainment (%)	Compressive Strength(MPa)	Water Reduction (%)	Compatibility	Color
Nil	1.175 ± 0.005 at 20°C	Less than 1	Increased early and Ultimate Compressive Strength	20 – 30	Compatible with all types of Portland cement	Dark brown

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Dosaging

Recommended dosage is 0.2-1.5% by weight of cement. Higher dosages can be used depending on the mix design, raw materials, climatic conditions and concrete requirements. Trial mixes must be performed to establish the exact dosage rate required.

Safety Precautions

This product is weak alkaline liquid, non-toxic, non-corrosive, environmentally friendly products. But not edible, when exposed to the human body and eyes, should be washed with water as soon as possible, causing allergic to some of the human body should be timely medical treatment. The goods should be stored in a covered container, to avoid the rain leaking and debris mixed with or evaporation of water dry.

Limited Warranty

All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty either expressed or implied. User shall rely on his or her own information and tests to determine suitability of the product for the intended use and user assumes all risk and liability resulting from his or her use of the product. Nothing contained in any supplied materials relieves the user of the obligation to read and follow the warnings and instruction for each product as set forth in the current Technical Data Sheet, product label and Safety Data Sheet prior to product use away.

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