



Polycarboxylate Superplasticizer PCE 1022

Technical Datasheet

Product Description

PCE 1022 is a kind of free-flowing powder form superplasticizer, as a universal product, designed for applications of flowing mortars with universal and special cementitious binders. Composed of polycarboxylate ether copolymer, its main chain anchors on the surface of cementitious binder particle while the unique comb structure as side chain stretches in the water. The combination of electrostatic force and steric stretching effect imparts low water demand and high flowing ability to mortars.

Specifications

Appearance	Buff or offwhite powder, free-flowing
Moisture content	≤3%
Active Content	≥90%
Bulk density	300-450 g/l
pH value (20°C, 20% liquid)	6.0-8.0
Water reducing rate	≥25%

Characteristics

As a universal and economical product, PCE is recommended for production of flowing mortars with normal and special cementitious binder system due to the following characteristics:

- Super water reducing effect for cement based material applications.
- Low dosage compared to traditional water reducing agent.
- High dispersion, fluidity and workability.
- Improvement of early and final strength of cement based system.

Key properties

- Good dispersability
- High water reduction
- Excellent adaptability with kinds of cement
- High flowability in mortar or concrete

Dosage and Handling

PCE 1022 should be dry-blended with the other dry ingredients at a minimal dosage of 0.1% to 0.3% by total weight of cementitious components. The actual dosage should be determined through suitable tests prior to production and application.

Packaging and storage

A. Standard Packing: In 25kg paper bags inner with PE bags.

B. Big Bag or other special packages are possible on request.

Not more than 12 months under condition 5-35°C, dry and cool. Prevent direct sunlight, moisture and be pressed for caking. When it is more than 12 months, it still could be used if there is no caking.

Transport

Handle with care to avoid breakage when moving. Keep from moisture when transporting. This product is non-toxic, non-irritating, no-combustible.

Safety notes

The above data is in accordance with our knowledge, but don't absolve the clients carefully checking it all immediately on receipt. To avoid the different formulation and different raw materials, please do more testing before using it. We reserve the right to alter our product and without informing in advance.



(55) 5564-1410



infoventas@treechem.com.mx



www.treechem.com.mx