

TECHNICAL DATA SHEET

Product Description

Polycarboxylate Superplasticizer
PCE PS801

Polycarboxylate Superplasticizer PS801 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.

This model Polycarboxylate superplasticizer powder is special in good fluidity.

Product Performance

As a high degree superplasticizer product, **Polycarboxylate Superplasticizer PS801** is recommended for production of flowing mortars with normal and special cementitious binder system due to the following characteristics,

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

Specifications

Appearance	Buff or offwhite powder, free-flowing
Moisture content	$\leq 1\%$
Active Content	$\geq 86\%$
Bulk density	300-500 g/l
pH value(20°C, 20% liquid)	6.0-8.0
Slump Time	$\geq 90\text{min}$
Water reducing rate	$\geq 27\%$

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**Usage & Dosage**

It 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

25kg/bag

Storage &Transportation Condition

Storage and transportation should be carried out in cool and dry condition. Under high temperature and high humidity, product should be kept away from moisture and pressure to avoid coalescence or agglomeration. If the product is not used up, the opened package must be sealed tightly to prevent moisture from ingress.

Shelf Life

6 months since production.

For product stored over shelf life, test confirmation should be done before use

Safety Data

This product is of non-toxicity, non- irritation, non-spontaneous combustion.

For detailed safety issue, please refer to MSDS.