

Polycarboxylate Superplasticizer PCE Powder

Polycarboxylate Superplasticizer PCE Powder is a new generation Eco-friendly high performance admixture of extending the coagulation of the concrete and mortar, maintaining its plasticity for a rather long period of time and thus facilitating the concrete pouring process.

Advantages:

Super low air content, good dispensability, high water reduction rate, excellent adaptability with kinds of cement. SPS-06 cement additive Polycarboxylate Superplasticizer powder is in line with the national standard GB8076-2008 for concrete superplasticizer index.

Technical Indexes

1. Homogeneous indexes

Items	indexes	items	indexes
appearance	off-white powder	fineness	0.315 mm sieve residue ≤12%
Moisture	≤3%	PH value	7-9
CL ion content	None	/	/

2. Indexes of concrete with admixtures

tested items		national standard product	test results
bleeding rate (%)		≤ 100	≤ 100
setting time (min)	Initial setting	$\geq +90$	$\geq +180$
compressive strength rate	7d	≥ 100	≥ 105
	28d	≥ 100	≥ 108
shrinkage rate (%)	28d	≤ 135	≤ 120
whether rusting the steel		no	no



Application and Precaution

1. The recommended mixing amount is 0.1-0.5%. When this product is used for the first time or the cement has been changed, it is advisable for the users to conduct experiments to determine the optimal mixing amount.

2. The mixing amount can be increased to extend the setting time, but the changing states of the concrete requires thorough estimation or experimental confirmation.

3. This product should not be used with concrete when the daily minimum temperature is under 5°C; It also should not be used alone with hardening accelerating or steam-cured concrete.

4. Polycarboxylate Superplasticizer PCE Powder should be used with caution in seasons of dramatic temperature changes.

5. Please give full consideration to the big retarding differences among varied kinds of concrete of different water-cement rations.

6. Polycarboxylate Superplasticizer PCE Powder should be used according to the Technical Code for Application of Admixture in Concrete (GB50119) and other relative standards.

Shelf: One year