



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

Polycarboxylate Polymer Powder

Polycarboxylate Polymer Powder is a new generation of Eco-friendly high performance product made from TPEG.

Product Characteristics

1. Polycarboxylate Polymer Powder with solid content : 97% min. (If it is used for ready mix concrete or precast concrete, please add PCE powder to water to get a solution with solid content 20% or 10% before use).
2. With a high slump retention ability, without concrete segregation.
3. With a good dispersion, an excellent adaptability to different cements, and good water-reducing properties.

Application area

1. It is applicable to various ready mix concrete, precast concrete , wet mix mortar and especially dry mix mortar. It can also be used for oil well cementing operation.

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2. It is particularly applicable to various construction works with high performance requirements for the concrete , such as water industry, marine works, seaports, traffics, electric powers etc.

3. It is applicable to the special concrete, such as high strength, high durability, self-compacting concrete.



Technical Indexes

1. Homogeneous indexes

Items	Indexes	Items	Indexes
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Appearance	off-white powder	fineness	0.315 mm sieve residue $\leq 12\%$
Moisture	$\leq 3\%$	PH value	7-9
CL ion content	None	/	/

2. Indexes of concrete with admixtures

Tested items		National standard product	Test results
Bleeding ratio (%)		≤ 100	≤ 100
Setting time (min)	Initial setting	$\geq +90$	$\geq +180$
Compressive strength rate	7d	≥ 100	≥ 105
	28d	≥ 100	≥ 108
Shrinkage	28d	≤ 135	≤ 120

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rate (%)		
Corrosion to 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. This product 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.

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Package:

Packed in 25kg plastic woven bags with PE inner liner, 17 mt with pallets loaded in one 20' GP, 25.5 mt with pallets loaded in 40' HQ.

Storage:

1. Keep out of sun, rain, impurity. Avoid evaporation of water.
2. SPC-06 is non-toxic, non-polluting and non-edible. Avoid touching with eyes and skin allergy people. If touching, should clear with water and timely go to see doctor.

Shelf validity: 0°C-40°C the shelf life is 12 months.

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