



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

Concrete admixture superplasticizer PCE

Concrete admixture superplasticizer PCE 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, Concrete admixture superplasticizer PCE 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.

Key properties

Concrete admixture superplasticizer PCE have these properties:

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

Quick Details

Items	Specification					
	SPC-02	SPS-03	SPS-04	SPS-05	SPS-06	SPS-08
	Liquid(water reducing type)	Liquid(slump retention type)	Liquid (Early strength & water reducing type)	Liquid(long slump retention type)	powder (Water reducing type)	Powder (Water reducing type)
Appearance	White or light yellow to brown viscous	White or light yellow to brown viscous	Colorless or light yellow to brown	Colorless to light yellow viscous liquid	White or light yellow powder	White powder

Mobile/Wechat:0086 13053363281,0086 17865273019

Mail:sales@zhuoxingchem.com,sales02@zhuoxingchem.com

Web site:https://www.sdzhuoxingpce.com,www.zhuoxingchem.com



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	liquid	liquid	viscous liquid			
Density	1.10 ± 0.02 g/cm ³	1.10 ± 0.02 g/cm ³	/	1.10 ± 0.02 g/cm ³	500 ± 50 Kg/m ³	500 ± 50 Kg/m ³
pH (23℃)	5--7	5--7	6 ± 1	5--7	6.0 ± 1.0	6.0 ± 1.0
Solid Content%	50 ± 1.0	50 ± 1.0	50 ± 1	50 ± 1.0	97.0 ± 1.0	97.0 ± 1.0
Moisture content%	/	/	/	/	≤ 3.0	≤ 3.0
Water Reducing Ratio%	/	≥ 15	≥ 25	≥ 15	≥ 25	≥ 25
Cl- %	≤ 0.02	≤ 0.02	≤ 0.02	≤ 0.02	≤ 0.02	≤ 0.02
Alkali content%	≤ 0.3	≤ 0.3	≤ 0.3	/	≤ 0.3	≤ 0.3
Na ₂ SO ₄ %	/	/	/	≤ 0.3	/	/

Contact information:

Shelly Cui

Ella Yang

Company: Zibo Zhuoxing Enterprises Co., Ltd.

Add: Room 1103, 11th Floor, Yunlong Plaza B, No.28 Huaguang Road, Zhangdian District, Zibo City, Shandong Province, China 255000

Factory: Shandong Zhuoxing Chemical Co., Ltd.

Add: Xinhai Industrial Zone, Wudi County, Binzhou City, Shandong Province, China
Tel/Fax:0086 533 2284032

Mobile/Wechat:0086 13053363281, 0086 18615126163, 0086 17865273019

Mail:sales@zhuoxingchem.com sales02@zhuoxingchem.com shellypce@hotmail.com

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