



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

Polycarboxylate High-efficiency Concrete Water Reducer

Introduction

Polycarboxylate High-efficiency Concrete Water Reducer is a an environment friendly high range water reducing agent for all kinds of concrete. It has enhanced pumping performance and workability by outstanding slump retaining and higher water reducing ability. Thus it can be widely used in ready-mix concrete, precast concrete, pumping concrete, self-compacting concrete. It has specially excellent poerformance when used in high strength and durability concrete. Our Polycarboxylate High-efficiency Concrete Water Reducer is easy to use and adjustable, and has good compatibility with all portland cement.

Performance:

1. High water reducing rate: Water reducing rate more than 25%.
2. Molecule controllability: Water reducing rate, slump-loss retarding and air entraining can be adjusted by changing the molecular weight of the main chain, the length and carboxylic group of secondary chain.
3. Excellent slump retaining: Offer low slump without affecting concrete setting time.

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

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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	/	/

Application:

1. Ready-mix concrete, on-site concrete of industrial or civil buildings.
2. High strength concrete for highway, airport, bridge, subway, maritime projects.
3. Precast, pumping, self-leveling and self-compacting concrete.

Company profile

Shandong Zhuoxing Chemical is a professional company dedicated to manufacturing& exporting construction admixtures products. Zhuoxing Chem has been focused on research, production, and sales of various of chemical products since establishment. Began with concrete admixtures, our main products include:polycarboxylate superplasticizer liquid & powder, monomer, defoamer ect.welcome to inquiry.

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