



Shandong Zhuoxing Chemical Co., Ltd.

Zibo Zhuoxing Enterprises Co., Ltd.

TDS of SPS-18 Water-Reducing High-Performance

PCE Powder

Description

SPS-18 is a new-generation, environmentally friendly, high-performance PCE powder characterized by high water-reducing and high-temperature resistance.

Technical Principle

A new generation of environmentally friendly, high-performance PCE manufactured through optimized molecular group configuration and synthesis processes.

Advantages/Characteristics

- (1) Solid content: 97% min.
- (2) Having a good thermal stability and continues to function reliably even in high-temperature environments.
- (3) High water-reduction rate and excellent dispersibility.

Application

Applicable to mortar, repair mortar, specialty mortar, self-leveling compounds, grout, grouting materials, precast components, UHPC, etc.; also used for oil well cementing operations.

Web site: www.zhuoxingchem.com sales@zhuoxingchem.com



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Quality Specification

Item	Unit	Standard
Appearance	/	Off-white or light yellowish powder
Density	kg/m ³	550±50
pH (23°C)	/	7.0±1.0
Solid Content	%	≥97.0
Moisture content	%	≤3.0
Water Reducing Ratio	%	≥27
Cl ⁻	%	≤0.02
Total Alkali content	%	≤0.3

Usage Instructions and Precautions

(1) Recommended dosage is 0.2%-0.5% by weight of binding materials.

Specific dosage must be determined through mix design testing.

(2) Testing must be conducted prior to use.

(3) This product must not be mixed with naphthalene sulfonate admixtures.

(4) Compatibility testing is required when used with other admixtures.

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Storage and Transportation Requirements

Packaging Specifications: Packaged in 25kg plastic woven bags with PE inner liners.

For sea freight: 14 tons (including pallets) per 20 foote standard container; 28 tons (including pallets) per 40 foote high cube container.

For rail freight: 25.5 tons (including pallets) per 40 foote high cube container.

Transportation: Classified as non-hazardous chemicals; transport as general cargo. Protect from rain and moisture during transit.

Storage Conditions

Store in a cool, dry, well-ventilated area. Strictly avoid moisture exposure, as it may cause clumping and affect performance. Protect from direct sunlight and high temperatures (recommended ambient temperature $\leq 40^{\circ}\text{C}$).

Shelf Life

12 months. Use after testing if stored beyond this period.