

# PCE

POLYCARBOXYLATE SUPERPLASTICIZER

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## 01 Characteristic

High early strength: significant increase of early strength and 28d strength

Low slump lose: Great reduction of slump lose

Excellent durability: Reduction of cracking, shrinkage and creep

High water reduction: Water reduction more than 30% according to different application

Environmental-friendly products: Non pollution during production

Excellent compatibility with various types of cements

Low chloride and alkali content, no corrosion to steel-bar

PCE 50% LIQUID [SJZ-53C/ SJZ-41A](#)

Various types of strength grade ready-mixed concrete

High strength, Ultra high strength concrete

Self-compacting concrete

Various types of pumping concrete, precast concrete, etc.

Low water/cement ratio, High early strength concrete

Various types of concrete of the long-distance transportation



SJZ-53C



SJZ-41A

## Application 02

PCE FLAKE/ GRANULAR

[SJZ-20](#) Mainly to prepare PCE liquid



[SJZ-018/ SJZ-101/401](#) PCE POWDER

The product is widely used in dry-mortar and concrete systems, such as high-performance concrete, high flowability concrete, high durability concrete, high strength mortar, gypsum products, self-leveling floor, joint filler, grouts etc.



SJZ-018  
Light yellow powder (Ester Base)



SJZ-101/401  
White Powder (Ether Base)

## 03 Specification

Item	Standard	Testing Method	
Appearance	Light yellow to transparent liquid	Visual	PCE 50% LIQUID
Solid content	50±1%	105°C, 2 hours	
pH	3~5	pH meter	PCE POWDER
Viscosity	MAX 1100 cPs	2#, 20 rpm at 25°C	
Specific gravity	1.09±0.02	25°C	
Dosage	0.5-2.0% of blending material		
Item	Standard		
Visual Appearance	White or light-yellow powder		PCE FLAKE/ GRANULAR
Bulk density (kg/m <sup>3</sup> )	510±30		
pH (23°C at 20% solution)	8.0 ± 1.0		
Solid Content	95 ± 1.0%		
Solubility	Water soluble		
Fluidity of cement paste (mm)	≥250		
Dosage (By Binder Weight)	0.1~0.4%		
Item	Standard		
Appearance	White or light-yellow solid flakes		
Solid Content	≥99.0%		
pH value	4~5(1% water solution)		

## 04 Package

Liquid: 1100 kg IBC drum / FLEXITANK/



Powder/ Flake/ Granular: 25kg/bag or 25kg/drum

