

Water Reducing Admixture Polycarboxylate Superplasticizer

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Superplasticizer represents a new modified generation of Eco-friendly high performance polycarboxylate superplasticizer specially developed to achieve high performance concrete properties.

Technical Principle

The molecular chain of PCE is comb shape. This product combines the effects of electrostatic repulsion and steric hinderance.

Characteristics:

1. High workability with low water content
2. Low permeability
- 3 Increased early and ultimate strength
- 4.Increased flexual strength
5. Superior slump retention performance
6. Good adhesion

7. Good dispersion

8. retention of workability



Dosage:

The normal dosage range is 0.25%—0.8% per 100kg of total cementitious materials. Other dosage may be used depending on the specific requirements. Trials should be undertaken to determine the optimum dosage.

Application:

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Superplasticizer is applicable to various ready mix concrete ,

precast concrete, self compacting concrete, pumped concrete, concrete for under water use, silica fume, blast furnace slag and PFA modified concrete, light weight concrete.

Quality Specification

Item	Unit	Standard
Appearance	/	White or light yellow to brown viscous liquid
Density	g/cm ³	1.10±0.02
PH	/	5-7
Solid content	%	50±1.0
Water reducing ratio	%	≥25
Cl ⁻	%	≤0.02
Na ₂ SO ₄	%	≤0.3

Usage

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Superplasticizer should be dosed via a recommended dispenser. Addition should be with the mix water.

Packing: Flexitank, 24 MT/20'GP; 230kg/barrel, 18.4

MT/20'GP; 1100 KG/IBC drum, 22 MT/20'GP

Storage

It is non-toxic, nonflammable and can be shipped as general chemicals. Avoid direct sunlight. Keep away from fire or any kind of heat source. Stored in cool and ventilated place separately with oxidants and strong acids and alkali.

Shelf time: Six months.