

Slump Retention Type Polycarboxylate Superplasticizer 50%

Slump Retention Type Polycarboxylate Superplasticizer 50% is a new generation Eco-friendly high performance polycarboxylate superplasticizer produced by our company with DD-909 (TPEG 2400) as main raw material.

Technical Principle

The molecular chain of PCE is comb shape. The main chains of the high performance polycarboxylate superplasticizer molecular are absorbed onto the surface of the cement granules, which can effectively hinder the hydration, enhance its flowing retention ability, the branch chains surrounded by the cement granules, play dual roles of steric hindrance and electrostatic repulsion.

Characteristics:

1. High water reducing ratio: Excellent dispersion can provide strong water reducing effect and water reducing ratio, the initial water reducing ratio of Slump Retention Type Polycarboxylate Superplasticizer 50% is 18%.

which assures improving the working performance of the concrete, enhancing the concrete strength and saving cement amount.

2. Production control: The water reducing ratio, fluidity retention ability

and air entraining performance of this slump retention type of PCE can be adjusted by changing the molecular weight of the main chain, length of the side-chains, density and types of the side chain groups.

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		%	≥15
Cl-		%	≤0.02
Total Alkali content		%	≤0.3

Shelf time: Six months.

