

Construction Chemicals Polycarboxylate Based Superplasticizer

Construction Chemicals Polycarboxylate Based Superplasticizer also known as high performance water reducers, are chemicals used as concrete admixtures. SCC (self compacting concrete) Polycarboxylate superplasticizer has drawn more and more attention in modern construction industry because of its superior dispersibility and retention effects.

Product Characteristics:

Construction Chemicals Polycarboxylate Based Superplasticizer is an Eco-friendly high performance concrete admixture made from TPEG.

The main features are as follows:

1. Good cement adaptability.
2. High water reducing ratio
3. Less slump loss
4. Low dosage
5. Improved early strength and high strength

6. Enhanced durability



Applications

Construction Chemicals Polycarboxylate Based Superplasticizer is applicable to ready mix concrete, premixed and precast 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

1. Generally, the dosage range is 0.25%—0.8%, it can be beyond this range properly for special cements or aggregates.
2. The recommended stirring time is at least 150s for good water reducing effect.
3. It can be compounded with various retarders and sodium lignosulphonates.

Shelf time: Six months