

Product description

Polycarboxylate Superplasticizer PCE also known as high range water reducers, are chemicals used as concrete admixtures. SCC (self compacting concrete) is the best example for PCE. Polycarboxylate superplasticizer has drawn more and more attention in modern construction industry because of its superior dispersibility and retention effects.

Application

It's suitable for concrete, dry mortar.

Polycarboxylate Superplasticizer PCE is suitable for preparing precast concrete, cast-in-place concrete, flow concrete, self-compacting concrete, especially for low-grade commercial concrete.

Characteristics

1. High early strength and ultimate compressive strength
2. Low slump loss: Great reduction of slump loss.
3. Excellent durability: Reduction of cracking , shrinkage and creep.
4. High water reduction: Water reduction more than 25% according to different application.
5. Environmental friendly products: Non pollution during production.

Quality Specification

Item	Unit	Standard	
		PCE liquid 50%	PCE powder 97%
Appearance	/	White or light yellow to brown viscous liquid	White or light yellow powder
Density	g/cm ³	1.10±0.02	500±50
PH	/	5-7	5.0±7.0
Solid content	%	50±1.0	97.0±1.0
Water reducing ratio	%	≥25	≥25
Cl ⁻	%	≤0.02	≤0.02
Na ₂ SO ₄	%	≤0.3	≤0.03

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.

Packing: Flexitank, 22 MT/20'GP ; 230kg/barrel, 18.4 MT/20'GP ; 1100 KG/IBC drum, 22 MT/20'GP for PCE liquid.

Packed in 25kg plastic woven bags with PE inner liner, 17 mt with pallets loaded in one 20' GP, 25.5 mt with pallets loaded in 40' HQ for PCE powder.

Storage:

1. Keep out of sun, rain, impurity. Avoid evaporation of water.
2. Polycarboxylate Superplasticizers PCE is non-toxic, non-polluting and non-edible. Avoid touching with eyes and skin allergy people. If touching , should clear with water and timely go to see doctor.

Shelf time: Six months for Polycarboxylate Superplasticizers PCE liquid, one year for Polycarboxylate Superplasticizers PCE powder