Polycarboxylate ether

Polycarboxylate ether is the latest generation concrete superplasticizer with the water reducing ratio up to 35%. Because of low chloride and alkali content, no corrosion to steel-bar, high stability & environmental friendly and nontoxic characters, it has been widely used in high strength concrete and high performance concrete.

Advantages:

1. Low dosage and high water reduction ratio.

2. Good adaptability. It adapts well with many kinds of cements, especially suitable for formulating high strength, high flowing and high performance concrete formulating with active admixture such as fly-ash and slag.

3. Slump of plastic retaining property

4. Polycarboxylate ether can significantly increase physical performance index and durability and increase resistance ability to deformation.

5. High applicability. It’s suitable for formulating concrete with variety of performance requirement, especially C20-C100 high performance concrete.

6. Good retarder. The setting time will be significant controlled.

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_2SO_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.

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

Storage

Polycarboxylate ether 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 validity: Six months