

Set Retarding Type Polycarboxylate Superplasticizer 50%

Set Retarding Type Polycarboxylate Superplasticizer 50% is a new generation of liquid plastizing admixture acts as a retarder on setting time for freshe concrete. A high water reducing ratio can be achieved without loss of workability even in hot weather.

Product Characteristics

1. Increased setting time at elevated temperature
1. Good adaptability to cement.
2. Longlasting control of slump loss
3. Improved workability without increased water content
4. Good fluidity at low dosage
5. Improved high strength
6. Enhanced durability
7. Reduced shrinkage and creep.
8. Economic production cost
9. Environment friendly, chloride free does not attack reinforcement

Application area

Set Retarding Type Polycarboxylate Superplasticizer 50% can be widely used for common concrete, pump concrete, super-fluid self compacting , high-strength and high performance concrete.

Technical specifications

Item	Unit	Standard
Appearance	/	Colorless to light yellow 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
Na ₂ SO ₄	%	≤0.3



Usage

1. Generally, the dosage range is 0.25%—0.8% per 100kg of total cementitious materials, it can be beyond this range properly for special cements or aggregates.
2. The compounding rate for specific cements is determined by tests. Recommended stirring time is at least 150s for good water reducing effect. The concrete mixing tests should be carried out before using so as to assure the concrete quality.

Storage

1. Set Retarding Type Polycarboxylate Superplasticizer 50% should be stored at temperature from 0°C-40°C. Keep out of sun, rain, impurity. Avoid evaporation of water.
2. Set Retarding Type Polycarboxylate Superplasticizer 50% 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