

Polycarboxylate Superplasticizer Retarder is a new generation plasticizing admixture based on modified polycarboxylate polymer. Due to its polymeric chain system, it is a very effective cement dispersant, slump retention and mid range water reducer.

Product Characteristics

1. Water reducing ratio up to 15%
2. Less slump loss, increased slump retention and placeability
3. Improves mechanical strength, flexural and compressive strength
4. Enhanced durability
5. Reduce shrinkage and creep.
6. Improved adhesion to reinforcement and steel



Application area

Polycarboxylate Superplasticizer Retarder can be used in ready mix concrete plant where high slump retention is required in hot weather conditions.

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

Generally, the dosage range is 0.25%—0.8% per 100kg of total cementitious materials. However higher dosage can be used after verifying the performance by carrying out lab or site trials. Trial mixes

are always recommended to carry out prior to batching plant for optimum dosage and strength requirements.

Storage

Polycarboxylate Superplasticizer Retarder should be stored at temperature from 0°C-40°C. Keep out of sun, rain, impurity. Avoid evaporation of water.

Shelf validity: Six months