

## **Polycarboxylate Superplasticizer Accelerator**

Polycarboxylate Superplasticizer Accelerator is a new generation high performance polycarboxylic ether based superplasticizer for precast industry. It accelerates the cement hydration by exposing increased surface of the cement grains to react with water.

### **Advantages:**

1. High water reducing ratio
2. Improved early strength and high strength
3. Production of highly flowable, robust self-compacting concrete having a low water cement ratio along with an optimal rheology
4. Enhanced robustness and consistency in concrete quality with low stickiness
5. Elimination or reduction of the energy required for placing, compaction and curing.
6. Stable performance
7. Improved surface appearance
8. Increased productivity

### **Application area**

Polycarboxylate Superplasticizer Accelerator applies to precast concrete, especially in tubular pile precast concrete. It can bright and clean the surface of concrete. It's suitable for pumping with small pore and low viscosity.

### Technical specification

Items	Enterprise Standard
Appearance (23°C)	Colorless, light yellow to brown viscous liquid
PH Value (23°C)	5-7
Solid content (%)	$50 \pm 1$
Water reducing ratio (%)	$\geq 25$
Content of Chloride (%)	$\leq 0.02$
$\text{Na}_2\text{SO}_4$ (%)	$\leq 0.3$

### Dosage rate

Recommended dosage is 0.-1.5 liters per 100 kg of the cementitious binder. The optimum dosage is according to specific production conditions.

**Storage**

Polycarboxylate Superplasticizer accelerator should be stored at temperature from 0°C-40°C. Keep out of sun, rain, impurity. Avoid evaporation of water. In casing of freezing, warm up and homogenise the admixture solution before using.

**Shelf validity:** Six months