

# Technical Data Sheet

## (TDS)

### Polycarboxylate Superplasticizer

#### [Characteristics]

Color: Clear to pale yellow, brown

Appearance: liquid

#### [Application]

1. The polycarboxylic acid series high-performance water reducing agent can be used for plain concrete, reinforced concrete and prestressed concrete.
2. The polycarboxylic acid series high-performance water-reducing agent is suitable for high-strength concrete, self-compacting concrete, pumped concrete, fair-faced concrete, precast concrete and steel tube concrete.
3. The polycarboxylic acid-based high-performance water-reducing agent is suitable for concrete with high volume stability, high durability or high workability requirements.
4. The retarding polycarboxylate high-performance water-reducing agent is suitable for mass concrete, but not suitable for concrete construction with daily minimum temperature below 5°C.
5. Early-strength polycarboxylate high-performance water-reducing agent is suitable for concrete with early-strength requirements or construction in low-temperature seasons, but not suitable for concrete constructed with daily minimum temperature below -5°C, and not suitable for mass concrete.
6. When the air-entraining polycarboxylate high-performance water-reducing agent is used in steam-cured concrete, it should be verified by experiments.

## [Specification DATA]

Solids content (%):	10%
Specific gravity (20°C):	1.1.
Formaldehyde content :	<0.05% .
Chloride ion content :	<0.6% .
Total alkali :	<0.15 .
Water reduction rate:	>35%
Concrete bleeding rate:	>50%
Concrete air content	<6%
1 day compressive strength ratio of concrete:	>170%
28 days compressive strength ratio of concrete:	>130%
Difference in setting time (Initial setting to final setting) :	-90 to +120 min
28 days concrete shrinkage ratio :	<110%

### **Shelf life:**

This product should be stored in a special warehouse or a fixed place, and the shelf life is 12 months under the conditions of 2-35°C, original sealing and avoiding direct sunlight.

### **Packaging:**

1000kg IBC Tank.

