

## **Polycarboxylate Superplasticizer for Construction**

Polycarboxylate Superplasticizer for Construction is the third generation high performance concrete superplasticizer admixture based on polycarboxylic polymers with long chains specially designed to enable the water content of the concrete to perform more effectively. It is produced with TPEG 2400 as main raw material.

### **Applications:**

Polycarboxylate Superplasticizer for Construction is applicable to high strength concrete and flowable concrete mixes, to achieve highest concrete durability and performance. ready mix concrete concrete durability.

It is used in high strength concrete and high performance concrete, precast concrete, structures with congested reinforcement, mass concrete and self compacting concrete.

### **Characteristics:**

Polycarboxylate Superplasticizer for Construction is an Eco-friendly high performance concrete admixture p made from TPEG.

The main features are as follows:

1. Good cement adaptability.
2. High water reducing ratio
3. Less slump loss
4. Low dosage
5. Improved early strength and high strength
6. Enhanced durability
7. Reduced shrinkage and creep
8. Economic production cost
9. Environment friendly



**Quality Specification**

| Item                            | Unit              | Standard                                      |
|---------------------------------|-------------------|-----------------------------------------------|
| Appearance                      | /                 | White or light yellow to brown viscous liquid |
| Density                         | g/cm <sup>3</sup> | 1.10±0.02                                     |
| PH                              | /                 | 5-7                                           |
| Solid content                   | %                 | 50±1.0                                        |
| Water reducing ratio            | %                 | ≥25                                           |
| Cl <sup>-</sup>                 | %                 | ≤0.02                                         |
| Na <sub>2</sub> SO <sub>4</sub> | %                 | ≤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

**Shelf time:** One year

