

Carboxylic Ether Polymer is the third generation Eco-friendly high performance polycarboxylate superplasticizer produced with TPEG 2400 as main raw material. Carboxylic ether polymer has better dispersion and water reducing effect.

### **Characteristics:**

- 1.High water reduction
- 2.Good adaptability
- 3.Good cohesion

### **Application:**

Carboxylic Ether Polymer is applicable to various ready mix concrete , precast concrete, mortar.

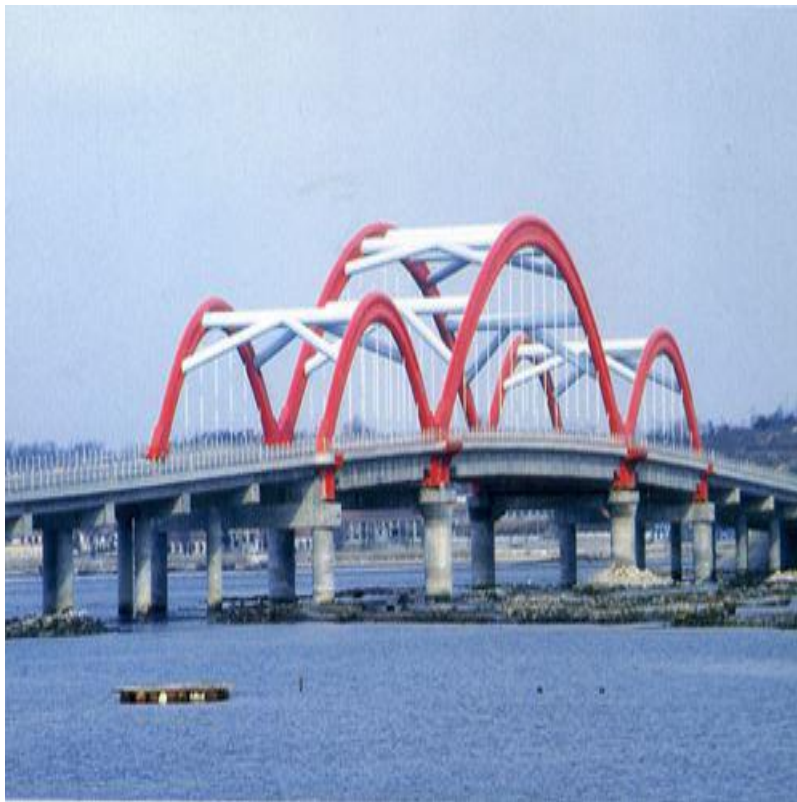
### **Quality Specification**

| 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            | % | $\geq 25$   |
| Cl <sup>-</sup>                 | % | $\leq 0.02$ |
| Na <sub>2</sub> SO <sub>4</sub> | % | $\leq 0.3$  |

## Usage

Carboxylic Ether Polymer must preferably be added in the mixing water and in case of ready mixed concrete where the product can be added on fresh concrete and in a mixing truck.



## Dosage

1. Generally, the dosage range is 0.25%—0.8% per 100kg of total cementitious materials.
2. The optimum dosage of Polycarboxylate based Superplasticizer to meet specific requirements should always be determined by trials using the materials and conditions that will be experienced in use.

## **Setting**

Carboxylic Ether Polymer affords excellent control over initial and final setting time. Setting time of concrete mixes is related to cement type, mix design, and ambient temperature.

**Shelf time:** Six months.