



# ACC Superplasticizer Polycarb—JST4

## Slump-retention type polycarboxylate superplasticizer

### Description

JST4 is a type of mud-resistant and slow-release superplasticizer polycarb that synthesized through high polymer structure design. Under the condition of high mud content, the polycarb can effectively improve the working performance of concrete, and can effectively restrain the influence of mud content in sand on the working performance of concrete when polycarb used. Mixed with the commonly used polycarb(polyester, polyester) through different proportions, It can prepare concrete without collapse for 2 hours, 3 hours or longer. It can effectively improve the cohesion and working performance of concrete.

### Features

- Light brown or colorless liquid.
- Has good stability and no precipitation at low temperature.
- Green environmental protection, non-toxic and harmless, conducive to the preparation of green concrete.
- Improve the adaptability of polycarb to cement, Fly Ash and GGBFS.
- Improve the adaptability of polycarb to sand and mud content.
- Improve the adaptability of polycarb to temperature and climate.

### Specifications

Chemical and Physical Properties	Value
Solid Content	50 ± 1 %
pH	6 ± 2
Bulk Density	1.100 ± 0.02 g/cm <sup>3</sup>

### Application

JST4 can be applied in the production of ready-mixed pump-delivery commodity concrete and in the preparation of high-fluidity concrete requiring superior slump retention. Meanwhile, it can be widely applied to cast-in-site concrete, premixed concrete, prestressed concrete and other concrete constructions like industrial and civil buildings requiring superior slump retention.

### Usage

- The recommended dosage is 20-60% when mix with conventional polycarb.
- Before use, it is necessary to test the mixing proportion of concrete, and determine the best mixing amount according to the construction requirements, in order to obtain the best technical, economic benefits.
- The product can not be mixed with Sodium Naphthalene Formaldehyde and amino admixture, so as not to affect the performance.

# Packaging and Storage

- 200kg or 1000kg per plastic drum, or as per customer's special request.
- The product is non-toxic and non-flammable.
- Prevent products from freezing at extremely low temperatures. If frozen, melt at room temperature and stir evenly before use (will not affect performance).
- The shelf life of this product is six months. If expired, should be determined by experiment before use.

# Health and Safety

Wear suitable protective equipment to prevent contact with eyes, skin and clothing. Keep and store in a cool & dry place and keep away from direct heat and light. For further information please follow the Material Safety Data Sheet.

# Limited Warranty Notice

While ACC guarantees our products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with ACC that the product is suitable for the intended use. Technical characteristics are listed for guidance only.

# Technical Services

We have a perfect after-sales service mechanism, provide technical advice for users, product performance can reach the best user satisfaction effect.



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