

# UNIVER AS 70

Anti Segregation / Bleeding Agent (Viscosity Modifying Agent)

UNIVER AS 70 is a next generation viscosity modifying agent. UNIVER AS 70 has a good compatibility with aqueous solution without much increase of solution viscosity. By enhancing the coherence among components of concrete, it decreases the segregation of mortar and aggregate during pumping the concrete. It is also useful to control the concrete bleeding problem and enhance the concrete structure quality.

## Physical properties

Appearance	Light brown liquid
Solids(%)	20
Viscosity (mPa.s)	2,200 (Brookfield viscometer, 25 °C)
pH	9
Specific gravity	1.05 (25 °C)
Solubility	Easily disperse in water

## Applications

- Flowing normal strength concrete without segregation (high pressure pumping)
- Concrete anti-bleeding
- Self-compacting concrete

## Advantages

- Flowing normal strength concrete without segregation at high pressure pumping
- Anti-segregation and Anti-bleeding of concrete
- Self-compacting concrete without segregation by giving proper viscosity of fresh concrete
- Good compatibility with PCE super-plasticizer
- Pump-ability for long distance with high-pressure
- Make the mixture less sensitive to variations in sand and aggregate grade than other V.M.A
- Enhancing water reduction
- No setting-time delay
- Make Concrete as Newtonian fluid

## Usage

- Dose UNIVER AS 70 1~5% (w/w) on PC based admixture and it could be changed by field conditions
- Even UNIVER AS 70 is very stable at any pH and the admixture solids, we recommend to agitate admixture for the longer storage

## Packaging

Available in 20kg/can or 200kg/drum.

## Storage and Handling

UNIVER AS 70 should be stored between 0 °C to 40 °C. If stored in original unopened containers, the shelf life is guaranteed as 12 months. If UNIVER AS 70 is frozen, the properties of this can be homogenized by thorough agitation of the complete thawed product.

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