

# UNIVER AS 60

Anti Segregation / Bleeding Agent (Viscosity Modifying Agent)

UNIVER AS 60 is a next generation viscosity modifying agent. UNIVER AS 60 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 helpful to control concrete bleeding and enhance the concrete structure quality.

## Physical properties

Appearance	Light brown liquid
Solids(%)	20
Viscosity (mPa.s)	1,000 (Brookfield viscometer, 25 °C)
pH	8.5
Specific gravity	1.06 (25 °C)
Solubility	Easily disperse in water

## Applications

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

## Advantages

- It is able to make flowing normal strength concrete without segregation.
- UNIVER AS 60 has good compatibility with admixtures so it is not necessary to manage a viscosity modifier separately like powders.
- It is seldom to be rotten by bacteria or fungus in comparison with a natural substances.
- Different from other viscosity modifier, it does not cause any setting time delay.
- Enhancing water reduction as well.
- Less sensitive than other viscosity modifier.

## Usage

- Dose UNIVER AS 60 1~5% (w/w) on PC based admixture and it could be changed by field conditions
- Even UNIVER AS 60 is very stable at any pH and the admixture solids, we recommend to agitate admixture for the longer storage
- At higher solids, the settlement may come out and we recommend to agitate with dilution

## Packaging

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

## Storage and Handling

UNIVER AS 60 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 60 is frozen, the properties of this can be homogenized by thorough agitation of the complete thawed product.

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