

# UNIVER ST-GT

## High performance new generation superplasticizer

UNIVER ST-GT is PCE that has different chemical structure from typical PCE and has excellent slump retention performance of concrete. In general, it can be blended with other water reduction type PCE in order to enhance concrete quality. It also can be used itself especially for the jobsite where requires much longer slump retention. Especially, it makes low stickiness concrete with good workability and shows stable performance at hot temperature as well as high alkali condition.

### Physical Properties

Physical Properties of UNIVER ST-GT	
Appearance	Slight yellow Liquid
Odour	Characteristic Odor
Total Solid Contents, %	55%(w/w), approx
pH(undiluted)	4.0
Specific Gravity	1.106
Viscosity (Brookfield Viscometer, cps)	970

### Features

- Prolong slump retention
- Applicable for low cement content concrete with long slump retention
- Low stickiness concrete
- High workability without bleeding or segregation

### Advantages

- Allowed long range transportation of fresh concrete with its excellent retention ability
- Stable performance at high temperature and alkali
- Provide fresh concrete with excellent retention more than 120 minutes.
- Reduction of labor costs by high workability of concrete

### Application

UNIVER ST-GT is recommended to be used blending with other PCE having high water reduction. For the jobsite where requires much longer slump retention, the dosage ratio of UNIVER ST-GT should be increased. It is well-soluble in water and we recommend to dilute it as your application. The optimum dosage of UNIVER ST-GT may depend on specific requirements of concrete properties and materials. So, it is determined by trials using the materials and conditions.

### Compatibility

UNIVER ST-GT is compatible with all of PCE products. To achieve higher water reduction, you may blend with other PCE which has its specific properties. UNIVER ST-GT is compatible with Ligno base plasticizer. Do not use blending with NSFC base superplasticizer.

### Storage and Handling

UNIVER ST-GT should be stored at room temperature and it should be avoided from direct sunlight. If stored in original unopened container, it will have a shelf life of twelve (12) months. If product is frozen, please agitate it slowly until melting again.

### Packaging

UNIVER ST-GT is available in bulk supply, 1100Kg/IBC or 230kg/drum