

# UNIVER ST-LT

## High performance new generation superplasticizer

UNIVER R ST-LT is a delayed dispersion type of PC which shows excellent slump retention performance of concrete.

In general, it should be blended with a water reduction type PC to meet the initial required slump or flow. It also can be used itself especially for the jobsite where requires much longer slump retention at hot weather condition.

### Physical Properties

Physical Properties of UNIVER ST-LT	
Appearance	Faint Light Yellow Solution
Odour	Characteristic Odor
Total Solid Contents, %	55%(w/w), approx
pH(undiluted)	5.8
Specific Gravity	1.150 (25°C)
Viscosity, Brookfield Viscometer, cps	550 (25°C)

### Features

- Excellent slump retention for all grade concrete to be used with other water reducers
- Applicable for all grade concrete to be used with other water reducers
- High workability without bleeding or segregation

### Advantages

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

### Guidance for use

#### ■ Application

UNIVER ST-LT is recommended to be used blending with other PCE having high water reduction.

It is well-soluble in water and we recommend to dilute it as your application.

The optimum dosage of UNIVER ST-LT may depend on specific requirements of concrete properties and materials. So, it is determined by trials using the materials and conditions.

#### ■ Compatibility

UNIVER ST-LT is compatible with all of PCE products.

To achieve higher water reduction, you may blend with other PCE which has its specific properties.

### Typical dosage

The recommended dosage range of UNIVER ST-LT is 0.2~1.0 liters/100 kg of binders.

But the optimum dosage of UNIVER ST-LT may depend on specific requirements of concrete properties and materials. The optimum dosage of UNIVER ST-LT should be determined by trials using the materials and conditions.

### Storage and Handling

UNIVER ST-LT should be stored between 0°C to 40°C. If stored in original unopened containers it will have a shelf life of 12 months. If ST-LT become frozen, the properties of ST-LT can be homogenized by thorough agitation of the completely thawed product.

### Packaging

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

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