

UNIVER ST-LST 55

High performance new generation superplasticizer

Univer ST-LST 55 is an advanced polycarboxylate based superplasticizer for high performance concrete

Univer ST-LST 55 is a mid. range retention polycarboxylate polymer which performs significantly reduces slump loss and water reduction.

It is designed for the need to improve workability with water reducing effect and to reduce the concrete stickiness

Physical Properties

Physical Properties of UNIVER ST-LST 55	
Appearance	Light Yellow liquid
Odour	Slight
Total Solid Contents, %	55%(w/w), approx
pH(undiluted)	6.5
Specific Gravity	1.140
Viscosity, Brookfield Viscometer, cps	600

Applications

The excellent dispersing effect makes it possible to maintain fluidity and workability for long period. UNIVER ST-LST 55 gives high slump retention to concrete, making long transportation time possible because slump loss is much reduced. Enhancement of workability, UNIVER ST-LST 55 is also a good admixture for high-rise building construction.

Using UNIVER ST-LST 55 is such as;

- High-performance concrete
- High-rise building & Long length bridge
- Self-compacting concrete
- Offshore and marine structure
- The concrete that requires much longer retention of flow-ability

Advantages

- Maintain the flow-ability of the concrete for a long time.
- High slump & Excellent slump retention, making long transportation time possible because slump loss is much reduced
- Reduction of labor and energy costs by high workability of concrete

Typical dosage

The recommended dosage range of UNIVER ST-LST 55 is 0.2~1.0 litres/100 kg of binders.

But the optimum dosage of UNIVER ST-LST 55 may depend on specific requirements of concrete properties and materials and should be determined by trials using the materials and conditions.

Storage and Handling

UNIVER ST-LST 55 should be stored between 0℃ to 40℃. If stored in original unopened containers it will have a shelf life of 12 months. If ST-LST 55 become frozen, the properties of ST-LST 55 can be homogenized by thorough agitation of the completely thawed product.

Packaging

UNIVER ST-LST 55 is available in bulk supply, 1100Kg/IBC or 230kg/drum

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