

UNIVER ST-SR 70

High performance new generation superplasticizer

Univer ST-SR 70 is an advanced polycarboxylate based superplasticizer for high performance concrete

Univer ST-SR70 is high-range retention polycarboxylate polymer which performs significantly reduces slump loss and increase workability. It is designed for the need to improve retention and workability.

Physical Properties

Physical Properties of UNIVER ST-SR 70	
Appearance	Light Yellow liquid
Odour	Slight
Total Solid Contents, %	70%(w/w), approx
pH(undiluted)	2.5± 0.5
Specific Gravity	1.128 (25℃)
Viscosity, Brookfield Viscometer, cps	500cps (25℃)

Applications

The excellent dispersing effect makes it possible to maintain fluidity and workability for long period. UNIVER ST-SR 70 gives high slump & Excellent slump retention to concrete, making long transportation time possible because slump loss is much reduced. Enhancement of workability, UNIVER ST-SR 70 is also a good admixture for high-rise building construction.

Using UNIVER ST-SR 70 is such as;

- High-performance concrete
- High-fluidity 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
- Improvement of durability of the concrete

Typical dosage

The recommended dosage range of UNIVER ST-SR 70 is 0.2~1.0 liters/100 kg of binders.

But the optimum dosage of UNIVER ST-SR 70 may depend on specific requirements of concrete properties and materials. The optimum dosage of UNIVER ST-SR 70 should be determined by trials using the materials and conditions.

Storage and Handling

UNIVER ST-SR 70 should be stored between 0℃ to 40℃. If stored in original unopened containers it will have a shelf life of 12 months. If ST-SR 70 become frozen, the properties of ST-SR 70 can be homogenized by thorough agitation of the completely thawed product.

Packaging

UNIVER ST-SR 70 is available in bulk supply, 1100Kg/IBC or 230kg/drum

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