UNIVER WS-HWA

High performance new generation superplasticizer

Univer WS-HWA has excellent water reduction performance and good flow-ability. It is designed as 55% solid contents for the economic transportation cost saving.

Univer WS-HWA has unique design as neutral - weak acidic value for the safety & stability in the process of operation without crystallization of sodium sulphate under cold temperature.

Physical Properties

Physical Properties of WS-HWA	
Appearance	Light brown liquid
Odour	Characteristic
Total Solid Contents, %	55%(w/w), approx
pH(undiluted)	4.0 - 5.0
Specific Gravity	1.12 (25℃)
Viscosity, Brookfield Viscometer, cps	650 (25℃)

Features

· Excellent water reduction by powerful dispersing effect

· Excellent fluidity

· Low stickiness concrete

· Neutral - weak acidic value without crystallization under cold termperature

Advantages

· Self-compacting (High Fluidity) concrete

· Applicable for pre-cast concrete

· Higher durability from improved strength

· High compressive strength by low W/C ratio

· Cost-effective

Typical dosage

The recommended dosage range of UNIVER WS-HWA is 0.3~1.0 liters/100 kg of binders on a basis of undiluted solution. It is well-soluble in water and we recommended to dilute it as your application..

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

To achieve long retention with higher water reduction, you may blend with other retention type of PCE.

Storage and Handling

UNIVER WS-HWA should be stored at room temperature and it should be avoided from direct sunlight.

If stored in original unopened containers it will have a shelf life of 12 months. If product is frozen, please agitate it slowly until melting again.

Packaging

UNIVER WS-HWA is available in bulk supply, 1,100Kg/IBC or 230kg/drum

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