

# UNIVER MWR-EWL

## High performance new generation superplasticizer

Univer MWR-EWL is PCE that has different chemical structure from typical PCE. It is PCE that has either good water reduction or workability such as slump retention of concrete. 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 MWR-EWL	
Appearance	Colorless
Odour	Slight
Total Solid Contents, %	55%(w/w), approx
pH(undiluted)	3.2
Specific Gravity	1.100
Viscosity (Brookfield Viscometer, cps)	500

### Features

- High water reduction
- Long Slump retention
- Low stickiness concrete
- Good robustness with any cement
- High workability without bleeding or segregation

### Advantages

- Maintain the flow-ability of the concrete
- Stable performance at high temperature and alkali
- Easy to use at any cement grade
- Reduction of labor costs by high workability of concrete

### Dosage

UNIVER MWR-EWL has a recommended dosage range of 0.3 ~ 1.0 litres/100 kgs of binders on a basis of undiluted solution. It is well-soluble in water and we recommend to dilute it as your application. The optimum dosage of UNIVER MWR-EWL may depend on specific requirements of concrete properties and materials. So, it is determined by trials using the materials and conditions.

### Compatibility

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

### Storage and Handling

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

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