



## UCOPLAST-WL

CA-115

### Integral Concrete / Mortar Water proffer

#### Product

UCOPLAST-WL is a unique integral water proofing admixture for concrete and mortar which provides controlled air entrainment complies with IS 2645 – 1984, BS 5075 Part-I

#### Composition

UCOPLAST-WL is a brown liquid based on modified lignosulfonates and air entering additives and specialized active ingredients.

#### Description

UCOPLAST-WL is a balanced aqueous mixture of highly purified lignosulfonates dispersants and catalysts formulated for use in waterproofing all portland cement concrete, cement mortar and cement plaster mixes, ingredients are factory premixed in exact proportions to minimize handling and to eliminate mistakes and guesswork.

UCOPLAST-WL contains no added chloride.

#### Benefits

The addition of UCOPLAST-WL provides two main benefits in the objective of achieving near zero permeability, high quality concrete.

1. Its powerful water reducing capability permits a significant reduction in water-cement ratio without loss in consistency of the concrete and by altering the morphology of the hydration process of the cement.

UCOPLAST-WL creates reduced pore diameter after curing.

2. The carefully selected ingredients of UCOPLAST-WL will also isolate these pores and thus provide significantly reduced permeability via capillary channels. Furthermore, the inclusion of UCOPLAST-WL will permit approx. 15% water reduction and give greater plasticity and workability to the fresh concrete.

#### Technical Data

Form.....	Liquid
Color.....	Brown
pH .....	7.5 ± 1
Cl Content.....	Nil
Air entertainment.....	Max 4%
Specific Gravity.....	1.2

#### Advantages

- Improved water tightness
- Highly durable and weather Resistance
- Improved plasticity and cohesion
- Reduced Permeability of concrete matrix
- Improved workability and placing characteristics.
- Reduced bleeding, improved surface finish.
- Maintains Strength, extended durability.
- Chloride Free
- Resistance to shrinkage, cracking and crazing
- Cost – effective

**Purpose**

To improve water tight denser concrete with lower water absorption and reduced permeability

**Where to use**

- Water tanks, Reservoirs, Basements, Sewage treatment plants, Swimming pools and other water retaining concrete structure.
- Ready mixed concrete production.
- Pumped concrete.

**Method of Use**

UCOPLAST-WL is supplied ready for use. It should be added to the mix at the same point as the mix water. 15 to 20 seconds delay will produce additional beneficial improvement in admixture properties.

**Dosage**

150 ml –250 ml / 50 KG cement

**Packing**

5, 10, 50, 100, 210 Litre drums or bulk delivery

**Storage**

- UCOPLAST-WL has a shelf life of 12 months from the date of manufacturing, if stored as per manufacturer's instructions & in manufacturer's original unopened packing.
- Keep away from direct sunlight and store in dry & shade.
- Protect from freezing and moisture.

**Handling Precaution**

- UCOPLAST-WL is an industrial chemical; required handling precautions should be followed.
- UCOPLAST-WL is non-flammable and doesn't contain any flammable ingredient.
- UCOPLAST-WL is non-hazardous, however inhalation of its dust particles should be avoided. Use of facemask is recommended.
- Prolonged contact with skin should be avoided. Use rubber gloves and boots, when working overhead, goggles should be worn.
- Contact with eye should be avoided. If in contact with eye, wash with water and take medical advice immediately.

**Important Note:**

All products should be used in accordance with manufacturer's instructions. Every effort is made to ensure that the information is reliable, however we do not accept any responsibility for any work carried out with our material(s) as we have no control over the method(s) used for application, site conditions, weather conditions, etc.

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MARKETING**

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