



# UCLID TECHNOLOGY LTD.

(CONSTRUCTION CHEMICAL DIVISION)

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## PRODUCT SUMMARY

www.uclidtechnology.com

## UCOPLAST - WL

CA-114

### Integral Concrete / Mortar Waterproffer

#### 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

#### Product

Ucoplast - WL is a unique integral waterproofing 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 specialised active ingredients

#### Purpose

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

#### Dosage

150 ml –250 ml / 50 Kg. Cement.

#### Packing

5,10,50,100,210 Ltr Drums or Bulk delivery.

Our Sole Distributor :

**Innovative** MARKETING

Shop No. 1, Avni Complex,  
G.I.D.C., Estate, Pardi-396 125, Dist. Valsad, Gujarat.  
Phone : (0260) 373551  
E-mail : inn\_marketing@yahoo.co.in

Our Dealer :

## 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 minimise 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.

## Where to use

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

## Technical Data

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

## Dosage / 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.

Normal dosage of UCOPLAST – WL is 150ml. - 250 m.l. / 50kg. cement bag.

## Storage

Shelf-life is minimum 12 months in manufacturer's containers. Protect from freezing and direct sunlight.

## Handling Precautions

UCOPLAST – WL contains no flammable ingredient. Prolonged contact with skin should be avoided any splashes on eye should be washed with water and medical advice sought.

## Important Note :-

All product should be used in accordance with manufacturer's instructions. Every effort is made to ensure that the information is reliable, we cannot accept responsibility for work carried out with our materials as we have no control over methods of application, site conditions etc.