



HYDROBUILD LW

Integral liquid waterproofing compound for concrete & plaster

Dubond's Hydrobuild LW is specially formulated integral liquid waterproofing compound composed of surface active plasticising agents, polymers & additives. It is used as an additive for cement concrete, mortar & plasters. It makes concrete cohesive and prevents segregation. Hydrobuild LW is an integral waterproofing admixture for concrete and mortar which chemically converts the water soluble compounds present into concrete/mortar into stable water insoluble compounds. It is used in all types of concrete/mortar requiring water impermeability. It is based on high performance polymers. Conforms to IS 2645 : 2003 and IS 9103 – 2000 standards.

Green Building Rating



Low?Emission



Low?Ecological?Impact



Health?Care



Water?Based

Areas of Application

Waterproofing of concrete and sand-cement mortars used in :

- Basements
- Roof slabs and Screeds
- Water tanks & water retaining structures
- External Plastering
- Bathrooms and Balconies
- Sunk and Drains

Features & Benefits

- Increases Workability
- Easier Placing
- Better Compaction and Finishing by acting as Viscosity Modifier
- Lowers cement content for increase in specified Strength, Workability & Durability
- Higher Cohesion
- Breaks the Salinity of Water by converting them into Salt Crystals
- Lower water requirement for given Workability
- Chloride free
- Increases Extra Bonding Strength
- Reduce risk of Segregation and Bleeding
- Reduce risk of Shrinkage Cracks due to Heat of Hydration
- Reduce risk of Honey Combing
- Corrosion resistant - reduces the risk of rusting of reinforcement by breaking the chain of Rust Electrons -
Makes concrete more cohesive, hence protects steel better against corrosion

DUBOND®

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Method of Application

- Charge cement & aggregates to concrete mixer as per the mix design, mix in dry state for 12 minutes.
- Start addition of 75–80% mixing water & mix for 2-3 minutes.
- Hydrobuild LW is added as per the recommended dosage into the remaining mixing / gauging water,
- Then add to concrete mixer & mix for another 2 minutes.
- Place the concrete or apply plaster, as needed .
- Cure the applied mortar or concrete as per good construction practices.

Precautions & Limitations

- Do not add Hydrobuild LW directly to dry cement & aggregate mix. Maintain water-cement ratio as low as possible.
- Do not increase the dosage of Hydrobuild LW than the recommendation.

Technical Information

Properties	Specification	Result
Appearance		Free flowing liquid
Colour		Wine red
Specific gravity @ 25° C		1.05 ± 0.02
Non volatile content		13 ± 0.05%
pH value		11 – 13
Setting time, minutes		Initial- 100; Final- 185
Chloride Content	IS : 2645 : 1975	>0.0003
Water Permeability	IS : 2645 : 1975	>60 % of the control
Compressive Strength N /mm ²	IS : 2645 : 1975	As per the standard
Dosage	IS : 2645 : 1975	200 ml per 50 kg bag of cement

Packing

200 ml, 1ltr, 5 ltr & 20 ltr container

Shelf Life & Storage

Shelf life is 12 months from the date of manufacturing in unopened conditions. Store in a cool & dry place.

Health & Safety Precautions

Use rubber hand gloves & safety goggles, while using Hydrobuild LW. In case of contact with skin, wash with plenty of water. Keep out of reach of children.



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