



HYDROBUILD IWLP

Integral liquid waterproofing compound for concrete & plaster

Description

Dubond's **Hydrobuild IWLP** 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.

Standard Compliance / Specification

Meets the requirements of IS : 2645-2003

Areas of Applications

Waterproofing of concrete and sand-cement mortars used in ...

- Basements.
- Roof slabs and screeds.
- Water tanks & water retaining structures.
- External plastering.
- Bathrooms and balconies.
- Sumps and drains.



Features & Benefits

- Corrosion Resistant - Makes concrete more cohesive, hence protects steel better against corrosion.
- Compatibility - Being a liquid, easily dispersible & compatible with concrete/mortar mixes.
- Permeability - It reduces the permeability of water into concrete.
- Strength - The setting time and compressive strength of the concrete remains within the specification limits.
- Shrinkage - Reduces shrinkage crack development in plaster & concrete.
- Workability - Improves workability of freshly mixed cement concrete.
- Durability - Increases durability by improving waterproofing of concrete.

Method of Application

- Charge cement & aggregates to concrete mixer as per the mix design, mix in dry state for 1–2 minutes.
- Start addition of 75–80% mixing water & mix for 2-3 minutes.
- Hydrobuild IWLP 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.

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■ Precautions & Limitations

- Do not add Dubond's IWLP power directly to dry cement & aggregate mix.
- Maintain water-cement ratio as low as possible.
- Do not increase the dosage of Hydrobuild IWLP Power than the recommendation.

■ Technical Information

Properties	Specification	Result
Appearance		Free flowing liquid
Colour		Wine red
Sp. gr. @ 250C		1.05 - 1.070
Non volatile content		13.5 - 14.5%
pH value		9 - 13
Setting time, minutes	IS : 2645 : 2003	Passes
Chloride content	IS : 2645 : 2003	Max. 2.00%
Water permeability	IS : 2645 : 2003	Passes
Compressive strength n /mm ²	IS : 2645 : 2003	as per the standard

■ Dosage

200 ml per 50 kg bag of cement.

■ Packaging

200 ml, 1, 5, 10, 20 & 100 ltr.

■ Shelf Life & Storage

Best before 2 years from the date manufacture when in sealed pack and stored under proper condition.
Store in a cool & dry place.

■ Health & Safety Precautions

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

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