



## **BOND TUF PROOF LW**

Integral Liquid Water Proofing Compound For Concrete & Plaster

**BOND TUF CHEMICALS PVT. LTD.**

AN ISO 9001 : 2015 COMPANY

[www.bondtuf.com](http://www.bondtuf.com)

## BONDUF PROOF LW

Integral Liquid Water Proofing Compound For Concrete & Plaster

### DESCRIPTION

Plasticizing liquid integral waterproofing compound. Being a liquid it disperses instantly with gauging water. Improves strength through reduction of water content. Improves workability cohesiveness of mortar & minimises shrinkage cracks. Does not affect the setting time. Chloride free, hence no effect on concrete.

### ADVANTAGES / 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.

### CHARACTERISTICS

PROPERTIES	SPECIFICATION	RESULTS
Appearance		liquid
Colour		Dark Brown
Sp. gr. @ 25 c		1.1±0.02gm/cc
pH value		11.0 – 14.0
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 <sup>2</sup>	IS : 2645 : 2003 As per the standard	

### PRECAUTIONS

- ❖ Do not add Bondtuf proof LW directly to dry cement & aggregate mix.
- ❖ Maintain water-cement ratio as low as possible.
- ❖ Do not increase the dosage of Bondtuf proof LW than the recommendation.
- ❖ Use rubber hand gloves & safety goggles, while using Bondtuf proof Lw.
- ❖ In case of contact with skin, wash with plenty of water.
- ❖ Keep out of reach of children.

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### DIRECTIONS FOR USAGE

- ❖ 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.
- ❖ Bondtuf proof 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.

### 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, Sumps and drains.

### SUPPLY

1ltr, 5ltr, 20ltr & 240 ltr

### SHELF LIFE

·Best before 1 year from the date manufacture when in sealed pack and stored under proper condition. Store in a cool & dry place.

### TECHNICAL SUPPORT

Bondtuf provides a technical advisory service for on-site assistance and advice on admixture selection, evaluation trials and dispensing equipment. Technical data and guidance can be provided for admixtures and other products for use with fresh and hardened concrete.

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### IMPORTANT NOTE

Bondtuf products undergo high standard quality checks and every reasonable precaution is taken in the manufacture of all products. BONDTUF continuously strive to ensure the products, recommendations, specification & information given is reliable, correct and accurate. No specific guarantee can be assured as product performance depends not only on quality but also on many other factors which are not under our control. The customer should make his own trails to determine the compatibility of the product for his own purpose. All products are sold subject to our standard terms and conditions of sale.

### BONDTUF PRODUCT RANGE

WATERPROOFING COMPOUNDS | REPAIRS & REHABILITATION AGENTS | ADMIXTURES & CONCRETE TREATMENT  
FOUNDATION GROUTS & FLOOR HARDENER | EPOXY COATINGS & SCREEDS | TILE & STONE FIXING ADHESIVES