

## MASTERPROOF IWP 1

INTEGRAL WATERPROOFING LIQUID FOR CEMENT CONCRETE & MORTARS

### DESCRIPTION

**MASTERPROOF IWP – 1** is a liquid integral waterproofing additive (Admixture) for cement concrete and mortar. The waterproofing constituent of the MASTERPROOF IWP – 1 does not dissolved in water in which it is added and remains hardened concrete as a permanent constituent. One of the constituent is water reducing agent which allows the reduction of water content of the concrete mix thus increasing the strength of the concrete while maintaining the workability. It does not alter the setting time of the concrete mortar.

### FEATURES & ADVANTAGES

- Increases workability of the concrete mix.
- Reduces capillary action.
- Reduces vapour transmission through walls and slabs.
- Non-toxic.
- Does not corrode the reinforcement.
- Makes concrete water-light.

### TYPICAL APPLICATIONS

- Used in mass concrete
- Foundation walls.
- Floors
- Cement stucco
- Masonry mortars

### TECHNICAL CHARACTERSTICS

- Nature : Single component, Liquid
- Color : Light Brownish
- Specific Gravity at 30°C : 1.150±0.020 gms/cc
- Consistency : Medium Viscous Liquid
- Compatibility : Compatible with all types of admixtures & can be used with all Portland cement grades
- Air entertainment : Approximately 2% additional air over control concrete
- Chloride content : Nil, according to BS-5075 PART 1 & IS 6925

### ENGINEERING DATA

Specification Complies : Product meets the Indian standard Specifications IS: 2645-2003

And American Standard Testing Materials ASTM C – 494, Type A & D

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### DIRECTION FOR USE

#### DOSAGE

Stir well the material before use.

Dose of 100 ml per 50kg bag of cement is usually sufficient to produce water-light concrete or mortar. Dose can be redesigned and tested by normal trial batch methods.

Add Masterproof IWP – 1 to the mixing (gauging) water. Water content should be reduced accordingly to achieve the most effective waterproofing and strength of the concrete / mortar.

#### CLEANING OF TOOLS & EQUIPMENTS

Tools and Equipment's can be cleaned with water.

#### STORAGE AND SHELF LIFE

Store the material at a cool & dry place (at 25°C. temp & 50% RH). Shelf life is two years.

#### PACKING

100ml, 1 liter, 5 liters, 20 liters, 200 liters

#### PRECAUTIONS

- Do not mix with dry cement
- Add to mixing ( gauging ) water