

MASTERPROOF IWP 1

INTEGRAL WATERPROOFING LIQUID FOR CEMENT CONCRETE, PLASTER & MORTARS

DESCRIPTION

MASTERPROOF IWP – 1 is a liquid integral waterproofing additive for cement concrete, plaster and mortar. It is specially formulated additive composed of cement compatible, surface active components polymers and additives. It's used as an additive for cement concrete/mortar/plaster & it makes concrete cohesive and prevents segregation. It reduces the permeability to water for cement sand mortars & concrete.

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
- Reduces the permeability of mortar as well as concrete
- Reduces the rebound loss
- Requires very small dosages hence economical

TYPICAL APPLICATIONS

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

TECHNICAL CHARACTERSTICS

- Nature : Single component, Liquid
- Color : Pale yellow to Brownish
- Specific Gravity at 30°C : 1.030±0.020 g/cc
- Consistency : Low Viscous Liquid
- Compatibility : Compatible with all types of admixtures & can be used with all Portland cement grades
- Air entertainment : Approximately 3% - 5% additional air over control concrete
- Chloride content : 0.5% Max, according to IS 6925

ENGINEERING DATA

Specification Complies:

IS 2645-2003 & IS 9103-1999

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DIRECTION FOR USE

DOSAGE

Stir well the material before use.

Dose of 100 ml to 200 ml per 50 kg bag of cement is usually sufficient to produce water-tight concrete or mortar. Actual dosages required for site mixes should be finalized after site trials. Dose can be increased to get maximum advantages by reducing the water content. Dose can be redesigned and tested by normal trial batch methods.

Adds 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 2 years.

PACKING

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

PRECAUTIONS

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

DISCLAIMER

The above information and details herein are based on the tests conducted and experience on application and usage. The user is advised to carry out the test and take trails to satisfy on the suitability of the products and meeting his requirement considering the prevailing conditions prior to apply/using it on larger area. As the conditions under which the product are used or transported are beyond our control. We would not hold ourselves responsible on its consequential non performance.