



BONDIT PROOF IWP1

Complete Building Solutions

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BONDIT PROOF IWP1

Integral Water Proofing Liquid For Concrete

DESCRIPTION

BONDIT PROOF IWP 1 is integral waterproofing compound and water reducing concrete admixture. On addition to concrete, it disperses the cement particles and because of its special formulation, Improves impermeability and makes concrete water-proof. BONDIT PROOF IWP1 is chloride free and does not affect the concrete. It is based on organic polymers selected after thorough evaluation.

ADVANTAGES / BENIFITS

BONDIT PROOF IWP1 gives high quality concrete without bleeding, segregation etc. The special formulation drastically reduces the permeability of concrete and hence increases its durability. Also it minimizes porosity, honeycombing and gives improved surface finish. The concrete made with BONDIT PROOFIWP1 allows high water reduction. The reduced W/C ratio and high impermeability makes it resistant to water penetration either under conditions of hydrostatic pressure or capillary absorption. Its plasticizing action increases the workability of concrete thereby eases and quickens placing of concrete. This product can be used for all general mass concreting works and External & internal plastering such as basements, concrete water-tanks, floors & roof slabs, cement mortar.

STANDARDS

Complies to IS 2645-1975, ASTM –C 494 Type-A, IS 9103-1979.

CHARACTERISTICS

Tunnels, underground structures etc.

Colour	Dark Brown
Specific gravity	1.17 to 1.19at 30° C: approximately2%
Air entrainment	additional air is entrained over control concrete NIL , according to IS
Calcium chloride	456-1978, BS 5075- PART 1

DIRECTIONS FOR USAGE

BONDIT PROOF IWP1 can be used with all standard cement types. BONDIT PROOF IWP1ofrequired should be added to a part of gauging water before mixing with concrete made with remaining gauging water for better results . The concrete should be mixed for a minimum of 1minute after the addition of BONDIT PROOF IWP1.Attention should be paid to the ASTM, BS, DIN, IS specifications relating to the mixing times and general times for the production, application and curing of concrete.

DOSAGE

100 ml of BONDIT PROOF IWP1 for 50 kg cement. The optimum dosage and compatibility of admixtures with locally available materials has to be ascertained by proper site trials. Advantage of BONDIT PROOF IWP1 should be taken to reduce water and keep it to the minimum.

SUPPLY

100 ml , 1, 5, 20 and 210 litre containers.

SHELF LIFE

one year

TRIAL RESULT (For reference only)

M-20 MIX							
Cement		: OPC (IS 269-1989)					
Sand		: 38% (IS 383- 1970)					
Aggregate (20mm- 5 mm)		: 62% (IS 383- 1970)					
Cement content Kg/m ³	Water / Cement ratio	BONDIT PROOF IWP1 Dosage- ml / 50kg Cement	Slump in mm	Compressive strength kg/sq.cm			Permeability Tested as per IS 2645- 1975
				3 Day	7 Day	28 Day	
310	0.58	NIL	50	145	260	350	100 %
310	0.58	100	55	150	270	370	20 %

PRECAUTIONS

BONDIT PROOF IWP1 is non- toxic. Any splashes to eyes should be washed with plenty of water and seek medical advice immediately.

TECHNICAL SUPPORT

Technical information and guidance regarding BONDIT range of admixtures , repairs and bonding , water proofing systems , epoxy industrial flooring systems etc, will be available from the technical services department , BONDIT CONSTRUCTION CHEMICALS PVT LTD.

IMPORTANT NOTE

BONDIT CONSTRUCTION CHEMICAL PVT LTD.ADDRESS:

Office No. 3&4, Sai Prithvi Arcade, 1st Floor, Above Bata Showroom, Main Road, Madhapur, Hyderabad, Telangana +919848051034

service@bondit.in BONDIT products undergo high standard quality checks and every reasonable precaution is taken in the manufacture of all products. BONDIT continuously strive to ensure the products, recommendations, specifications & 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 trials to determine the compatibility of the product for his own purpose. All products are sold subject to our standard terms and conditions of sale.

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