

BUILDTITE

Normal setting liquid integral waterproofing compound for concrete/mortar

DESCRIPTION : BUILDTITE is a normal setting cement integral waterproofing compound in liquid form. BUILDTITE is a blend of specialized ingredients to make concrete waterproof when there is permeability through hydrostatic head pressure of capillary absorption.

STANDARD : BUILDTITE conforms to IS : 2645

USES : BUILDTITE is extensively used in RCC/concrete intended for water tank, roof deck, brick bats coba treatment, basement, lift pit, cement mortar screed etc.

FEATURES

- ❖ Permeability of concrete is greatly improved.
- ❖ With increased cohesion, segregation and bleeding are substantially reduced.
- ❖ Is highly effective in reduction of permeability due to hydrostatic head pressure of capillary action or both.
- ❖ Increased retention property of slump
- ❖ Improved surface finish of concrete
- ❖ Assured quality through rigid quality control system

APPLICATION : BUILDTITE should be added to the cement : sand mortar/concrete mix along with gauging water at the rate of 200ml per 50kg bag of cement

PROPERTIES

Dispersion	:	Instant and uniform dispersion throughout the mix
Permeability	:	High reduction of permeability of concrete / mortar
Workability	:	Improves compaction and cohesion of cement mortar and concrete
Concrete quality	:	Increases density, minimizes porosity and honey combing
Compatibility	:	Compatible with all types of cement including blended cement

TECHNICAL DATA

Physical appearance	:	Dark brown liquid
Specific gravity at 27° C	:	1.18 ± 0.02
Chloride content	:	Nil
Shelf life	:	12 months if kept unopened
Packing	:	200 ml., 1 ltr. & 20 ltrs. (bulk packing also available)
Health and safety	:	Non-toxic, Non-inflammatory, Eco-friendly.

TEST RESULTS AS PER IS:2645

Cement : OPC 43 grade Sand : Zone III

Properties	Control Mix (without Admixture)	With BUILDTITE	Requirement
Dosage	None	200ml/50kg cement	
Compressive strength kg/cm ² 3days 7days 28days	220	220	1600 or 80% of control
	280	285	
	330	340	220 or 80% of control
Permeability to water with 2 kg / cm ² pressure for 8 hrs percolation in ml	1800	260	Maximum 50% of control
Chloride % by		Traces	0.10% (as declared)

Conformity : Test results are very well within the limits of the standards