



BUILDROCK IWC

NORMAL SETTING LIQUID INTEGRAL
WATERPROOFING COMPOUND FOR
CONCRETE/MORTAR

TECHNICAL SPECIFICATIONS & DATA SHEET

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DESCRIPTION

BUILDROCK IWC is a normal setting cement integral waterproofing compound with normal plasticiser in liquid form. BUILDROCK IWC is a blend of specialised active ingredients to make concrete waterproof when there is permeability through hydrostatic head pressure or capillary absorption. Confirms to IS:2645-2003

TECHNICAL DATA

- Colour : Dark brown liquid
- Specific Gravity at 27°C : 1.10 ± 0.02
- Chloride Content : Nil

APPLICATION

- Determine the quantity of **BUILDROCK IWC** and water depending upon cement: sand ratio for mortars or water: cement ratio for concrete. Add measured quantity of **BUILDROCK IWC** to mixing/gauging water and stir well for better dispersion. Then add this solution to the dry mix of cement and sand.

SELF LIFE

Shelf Life of **BUILDROCK IWC** is about one year if the containers are kept unopened.

DOSES

BUILDROCK IWC is 100ml per 50 kg bag of cement.

HEALTH & SAFETY

BUILDROCK IWC is Non-toxic, Non-flammable, Eco-friendly.

FEATURES

- Permeability of concrete is greatly improved.
- Segregation and bleeding are substantially reduced due to increased cohesion.
- Is highly effective in reduction of permeability due to hydrostatic head pressure or capillary action or both.
- Increased retention of slump, improved workability due to normal plasticising property
- Improved surface finish of concrete.
- Very high quality indigenous polymer blend.

USES

BUILDROCK IWC is extensively used in RCC/Concrete intended for water tank, roof deck, basement, lift pit or in a situation where hydro-insulation is a must.

PACKAGING

BUILDROCK IWC is available in 20 Ltr, and 200 Ltrs.

PRECAUTIONS

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs (which can also be tainted with vapour until product fully cured or dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use. Do not reuse containers for storage of consumable item. For further information refer to the material safety data sheet. MSDS available on demand or on BUILDROCK construction chemicals web site.

BUILDROCK ENGINEERING PVT. LTD.

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TEST RESULTS AS PER IS:2645-2003

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Cement OPC 43 grade
Sand Zone III

PROPERTIES	CONTROL MIX (without admixture)	WITHBUILDROCK IWC	REQUIREMENT
Dosage	None	150ml/50 kg cement	
Compressive strength kg/cm ²			
3 days	220	220	160 or 90% of control
7 days	280	285	220 or 90%
Permeability to water with 2 kg/cm ² pressure for 8 hours percolation in ml	1800	260	Maximum 50% of control
Chloride % by mass		Traces	0.25%(as declared)
Conformity	Test results are very well within the limits of the standards		

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