

HARDORAPID

Quick Setting Waterproofing Admixture

DESCRIPTION

HARDORAPID is a ready to use, liquid waterproofing compound. When mixed with cement it sets rapidly to seal areas of severe water infiltration.

The product is suitable for use in tropical and hot climatic conditions.

USES

HARDORAPID is used for preliminary waterproofing work on wet surfaces, against pressure leakage or burst in below grade construction, such as lift wells, tanks, sewers, cisterns, cofferdams, tunnels, mines, etc., prior to the application of subsequent cementations renders.

It can also be used for fixing bolts and anchors in rock or concrete in mining and tunneling operations.

BENEFITS AND FEATURES

- Quick setting
- Easy to apply
- Resists high water pressure
- Economical
- Does not require diluting
- Just mix with Ordinary Portland Cement

TECHNICAL INFORMATION

Chemical Base	Blend of inorganic chemicals
Form	Clear, colorless to yellow liquid
Density (at +20 °C)	Approximately 1.24 kg / Liter
pH value	Approximately 11
Chloride content	NIL

SURFACE PREPARATION

All surfaces must be thoroughly cleaned and roughen to remove dirt, grease, mill scale, loose rust, chalk, and any other contaminants that can reduce adhesion.

Before mixing, V-cut the area around the leak to give a firm, clean hole of no less than 1".

MIXING AND APPLICATION

Add one part by volume of **HARDORAPID** to two parts by volume of fresh Portland cement into a suitable clean mixing bowl and mix quickly. As the mortar begins to stiffen, scoop out with a gloved hand, ram into prepared hole, and hold firmly until hard set. Mixed no more than can be placed in 20 seconds.

CURING

Standard Curing practice to be followed.

CLEANING OF TOOLS

Clean all tools and application equipment with water immediately after use. Hardened/ cured material can only be mechanically removed.

DOSAGE

Mix 1 part **HARDORAPID** with 1 – 2 fresh ordinary Portland cement.

SHELF LIFE

12 months from date of production if stored properly in original, unopened packaging at temperatures between -5°C and 35°C. This product must be stored dry, protected from sun and rain.

PACKAGING

5 Kg & 200 Kg

PRECAUTIONS

- Substrates must be sound and clean.
- All loose particles should be removed and any sharp protrusions levelled off.
- Mix the cement paste in a clean container.
- No waterproofing works should be performed if weather is unsuitable. These includes heavy rain and moisture
- Do not dilute.
- Very strong leaks may need controlling before the plug can be placed.
- Working and hardening times are affected by temperatures, source and age of the Ordinary Portland Cement. It is recommended to make an initial pre-trial.

HEALTH & SAFETY

Accidental splashes to the skin must be washed off with water and soap.

Accidental splashes to the eyes or mucous membrane must be rinsed with clean water. Seek medical attention without delay.

Skin barrier cream, safety goggles and rubber gloves are recommended.

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