

To Increase Strength & Durability of Cement Concrete

Anti Hydro- R

Set Retarding Water Reducing Cement Plasticizer

ANTI HYDRO- R is a unique formulation to be added while making cement concrete to increase work ability, strength & durability. It is a combination of waterproofing cum retarder which when added reduces water requirement, bleed water & shrinkage. The increased chemical activity provides internal curing & produces much denser concrete resulting highly impermeable concrete. These combined reactions produces waterproof concrete & higher compressive strength with longer life for the structures.

ANTI HYDRO- R ease handling & transportation of concrete while improving work ability, particularly in hot weather condition due to its slower rate of setting properties.

Advantages

- Increase the initial & final setting time for longer concrete handling.
- Improves the work ability & flow properties without increasing water.
- Increase the slump even up to 180-200 mm. without loss of final strength.
- Increase ultimate strength without addition of cement content thus cost effective.
- Enhances life of R.C.C. / Mortar by reducing water permeability.

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Application

- All kind of cement concrete mixing in tropical weather belt, for retardation.
- Ready mix concrete manufacturing units.
- Transportation of concrete to longer distance or delayed placing.
- Structural concrete at elevated temperature.

Mixing Method

It is supplied in ready to use form & should be pre mixed with gauging water (Measured mixing water required for making wet concrete). For best result, mix concrete for 3-5 minutes for homogenous and thorough mix.

Precaution

- Do not use ANTI HYDRO-R directly in to the dry mix.
- The retardation of setting time depend upon the type of cement, mix design, prevailing ambient temperature etc.
- Hand mix should be avoided except for small quantity.
- Optimum dosage should be determined by site trial.
- Over dosing should always be avoided.

Technical Specification

Type	: Retarder-water reducing Admixture
From	: Liquid, Free from Chlorides
Colour	: Dark brown
Base	: Modified high molecular organic polymer
Conforms to	: Is 9103-1979 & ASTM C-494
Sp. Gr.	: 1.16 ± 0.01
Air entrainment	: Nil to Marginal
Dosage	: 250 gms to 400 gms per 50 kg of Cement bag. (depends upon the nature of work)
Shelf Life	: 12 months in sealed container
Toxicity	: Non Toxic but avoid inhalation
Handling	: Presents no fire or health hazards



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Building Surface Solutions