

AQUOLAC HARD SETTING COMPOUND **(RAPID SET)**

Accelerator for Concrete / Increase Cement Strength

Product Description:

It is an ideal liquid rapid hardener for cement and concrete. Use of Aquolac Hard Setting Compound Rapid Set results in early development of strength in cement/ concrete. It decreases the setting time of cement and results in relatively dense concrete which is waterproof also. It makes the concrete surface dustproof and resists many forms of chemical attacks. Its accelerating action allows finishing the job early. It is an ideal solution for cold weather and emergency repair.

Advantages:

- Aquolac Hard Setting Compound rapid set is a liquid rapid set accelerator for concrete and cement renderings.
- It promotes a fast-setting action enabling the rapid application of concrete.
- It waterproofs and hardens the concrete and cement renderings thus serves a double purpose.
- It enables treatment of pits and basements of water.
- It is an effective admixture of cold weather working and emergency repairs works.
- It can accelerate the setting time to any degree desired.
- It is easier to use in comparison to the accelerator in powder form.
- It makes the concrete dense and dust proof besides resistant to many forms of chemical attacks.
- It is economical to use, achieving short setting times at low levels of addition.
- It works effectively, even in subzero temperatures of -10° to 15°C. It act as a anti freezing construction chemical.

How to Use:

Rapid Hardening of Renderings & Concrete:

When mixed as such with cement, it sets in two or three minutes. When Aquolac Hard Setting Compound Rapid Set diluted with an equal amount of Water is used, the Mortar or concrete sets within Ten minutes Normally recommended dosage of Aquolac Rapid Set is 4 liters of Aquolac Rapid Set for every 100 Kgs of cement used in the mix. For repairing floors, 1-part Aquolac Rapid Set with 2 parts water provides an acceleration sufficient enough. The actual dosage has to be determined by trial depending upon the specific requirements and quality of cement, moisture content of the aggregates, composition of the mix, amount of water used and extent of suction in the background.

Aquolac Hard Setting Compound Rapid set for interior renderings:

Provide three coats for proofing Pits and Basements using cement and sand in 1:2 ratio. This minimizes the risk of shrinkage and crazing. Provide sufficient overlap on the joints of proceeding coat. Before starting work on consecutive days, the edges should be well slurried with cement and water.

Aquolac Hard Setting Compound Rapid set for Exterior Renderings:

Prefer a three-coat treatment to two coats, the first coat should be of cement and sand in 1:2 ratio. Subsequent coats should be mixed in the ratio of 1:3. Use wood float for finishing. Scratch the under coat thoroughly to provide a good key for subsequent coats. To provide a good bond for the first coat, usual means be applied. In case cement slurry is applied, use Aquolac Rapid Set diluted in the ratio 1: 2 with water.

Aquolac Hard Setting Compound Rapid set for floor toppings:

4 Liters of Aquolac Hard Setting Compound Rapid Set be used for 100 kgs of cement. This approximately equals diluting Aquolac Rapid Set in the ration of 1:4 in no case undiluted Aquolac Rapid Set should come into contact with dry cement or aggregate. To ensure correct preparations for dilution of Aquolac Rapid Set carry out trials at the site. Avoid laying too wet toppings or excessive trowelling. Keep the water content low. Use a wood float to render the topping smooth after the set commences, use steel trowel for finishing. Do not sprinkle neat cement to dry out any water rising to the surface. This should be avoided by adjusting the water content at the time of mixing. If both the base concrete and wearing courses are of correct consistency, trowelling can be carried out almost immediately. Cure well by covering with wet sacks or watering at intervals for 5 to 6 days.

Storage:

No special storage facilities are required.

Precautions:

Aquolac Hard Setting Compound Rapid Set has plasticizing effect thus enables a reduction in water content. For the best results, the concrete should be made as stiff as possible keeping in view the workability requirements. As far as possible, floors should be formed monolithic. Avoid angular joints between floors and walls. Use wire brush to remove all the laitance and apply cement slurry before starting the next day's work. Cement slurry should be prepared using Aquolac Hard Setting Compound Rapid Set diluted in the ratio 1:2 with water.

Packing:

Aquolac Rapid Set is supplied in 30 liters Polycan and 200 liters Barrel.

