



## Roka Retarder

### Set Retarding Concrete Admixture

A water-reducing and set-retarding admixture for concrete, formulated with purified lignosulfonates and hydration enhancers. It improves plasticity and flow, enhances impermeability, reduces shrinkage, and increases compressive strength. The admixture also provides controlled setting time, simplifying placement and finishing.

### Uses & Advantages:

- Improves workability.
- Provides greater impermeability.
- Provides faster pumping of concrete.
- Reduces shrinkage and cracking.
- Increases concrete durability and uniformity.
- Improves appearance of architectural concrete.

### Fields of Application:

Roka Retarder is recommended for applications which require controlled retardation while enhancing the performance characteristics of concrete. Roka Retarder is calcium chloride free and is suitable for all kinds of concrete, especially in concretes containing pozzolanic materials such as fly ash, silica fume and slag.



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## Technical Information:

Color	Dark Brown
Consistency	Liquid
Density	1.15 at 20°C
pH	7.0 – 8.0
Chlorides	Nil
Air Percentage	> 3%
Storage	Should be kept from freezing. If accidentally frozen it can be restored by thawing and thoroughly remixing

## Dosage:

The dosage for Roka Retarder varies from 0.3 to 0.9 liters per 100 kg of the cementitious material depending on the desired usage and the concrete components being used. It is recommended to conduct trial mixes to determine the required dosage for optimum performance.

## Direction for Use:

Roka Retarder can be dispensed into any concrete materials except cement. But it is recommended to dispense it in water. Roka Retarder is compatible with other admixtures; however, each admixture should be added to the mix separately.



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## Important Note:

The information provided in this data sheet is based on ongoing development efforts and extensive field experience. While we strive to ensure the accuracy and reliability of the information, we cannot assume responsibility for any work performed using our materials, as we have no control over application methods, site conditions, and other factors. Due to ongoing research and development in our laboratories, we recommend that customers verify that this data sheet has not been replaced by a more recent publication.

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