8020

Retarder Concrete Admixture

Description: It is a setting accelerator concrete admixture that provides early strength of concrete to increase at low temperatures.

Application Areas : In all kinds of ready-mixed concrete and prefabricated concrete production, it increases the properties of concrete such as permanence, easy workability, water impermeability, against the risk of freezing and thawing in cold climatic conditions. Does not contain chlorine.

Advantages
• Provides early high strength.
• Accelerates the freezing time and shortens the start and end times.
• Reduces friction between cement and aggregate.
• Provides the possibility of obtaining a smooth and smooth surface.
• Provides economy in concrete unit cost by saving energy.

Application Method : Binders and aggregates entering the mixture are taken into the mixer. The additive weighed in the scales is added to the dry mixture by adding to the mixed water. Mix until homogeneous and desired consistency is achieved. (30 - 45 sec. Mixing time is recommended.)

Application Information: Concrete admixtures should not be added directly to the dry mixture. The steps in the application method should be followed. The rate of use should be determined by laboratory tests beforehand depending on the desired concrete class and properties. It can be used together with mineral additives (slag, micro silica, etc.) where high binding material is required. The amount of additive in the mixture is calculated by multiplying the total amount of all binders by the additive mixing ratio. If more than the recommended amount of admixture is used, setting the concrete may be delayed. In this case, concrete must be kept moist during the molding process by making necessary curing processes.

Storage Conditions : It should be stored in environments where ambient temperature is higher than + 5 ° C and protected from direct sunlight. Materials stored at lower temperatures should be expected to dissolve at room temperature without using direct heat. After thawing, the product should be mechanically mixed and homogenized.

Consumption :It is recommended to use 1% to 3% of the total binder amount. For best results, the rate of use should be determined by prior laboratory tests.

Packaging: 30 kg plastic drums.

Shelf life: A year from the production date in original and unopened containers under proper storage conditions.

Health and Safety: First of all, all necessary Occupational Health and Safety measures should be taken in the areas where the application will be made and the procedures should be carried out by persons who have technical knowledge and equipment. Occupational Health and Safety instructions must be followed in all works. All occupational safety equipment such as work clothes, protective gloves / goggles / masks specified in the Occupational Health and Safety instructions must be used during application. Ventilation of the work area is required. Storage and storage areas should not be approached with fire. Skin and eye contact with the product should be absolutely avoided, in this case immediately contact with plenty of water and the product should be washed immediately and seek medical attention. Food and beverages should not come into contact with the product. It must be stored and protected away from children. Material Safety Data Sheet (MSDS) should be reviewed for further information. Also the application of the product; should be done by persons with sufficient technical knowledge, equipment and experience. The user is solely responsible for this.

Technical Properties	
Appearance	: Brownish colored liquid
Liquid Density	: ~ 1,32 kg/lt
pH	: 6 - 7 (20°C)
Chlorine and Nitrate Content	: < % 0,1
Freezing point	: < 0°C

Application instructions and technical data provided for the products are obtained in line with our experience and the tests we implemented according to international standards under ambient temperatures of 23 ± 2 °C and ambient relative humidity conditionsof 50%±5. Higher temperatures decrease the times and lower temperatures increase them.

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