

EKOKAT CONCRETE ADD - WP

Concrete Mortar Additive Enhancing Water Impermeability and Adherence



DESCRIPTION

The product is a cement-based, liquid additive material that enhances water impermeability and adherence for concrete, mortar, plaster, screed etc.

TECHNICAL SPECIFICATIONS

Appearance	White
Density	1.10 kg /liters, pH 6-9
Ratio of Additives	%20 + %5
Chlorine Content	<%0,1 (EN 480-10)
Amount of Consumption	0,5 – 1,5 kg (For 100 kg of binder: Cement, micro silica, fly ash, slag)
Application Temperature	+5°C to +30°C
• The above values are valid for + 23°C and 50% relative humidity. The time is shortened at high temperatures and extended at low temperatures.	

AREAS OF USE

The product is used as an additive for achieving water impregnability of concrete at drinking water reservoirs, swimming pools, dams, foundation curtain concretes, retaining walls, and water channels. It is used as an adherence enhancing material in mortar for performance of repair works of fine and rough plasters at interior and exterior spaces.

BENEFITS

It provides water impermeability and adherence properties. It reduces segregation. It reduces shrinkage cracks. It provides resistance to frost-thaw cycle. It reduces water passage ways in capillary cracks. It provides excellent performance even in concrete classes where cement dosage is low.

INSTRUCTIONS FOR USE

After addition of 50% to 70% of water into the homogeneously prepared dry mixture of concrete and mortar, EKOKAT CONCRETE ADD - WP should be added into the mixture with the remaining quantity of water. Depending upon the desired concrete performance, it is recommended to use the product at the ratio of 0.5-1.5 kg for 100 kg binder (e.g. cement, silica, fly ash, slag)

WARNING

- When all additives are to be used together, they should not be mixed with each other. They should be used together with the mixture water.
- Concrete additives should not be added directly on the dry mixture.
- The quantity to be used is determined based on laboratory tests to be done in advance based on the concrete class and properties.

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PACKAGING

30 kg plastic jerrycans – 220 kg barrels – 1000 kg tanks.

STORAGE CONDITIONS AND SHELF LIFE

It should be stored in their unopened original packaging at places with an ambient temperature between +5°C - +30 °C. Shelf life is 12 months from date of production under suitable storage conditions. Protect from sun and frost.

SAFETY MEASURES

Work clothes, protective gloves, goggles and masks suitable for workers health and safety should be used during the application. Due to irritant effects of uncured material, it should be washed with plenty of water and soap immediately in case of contact with skin and eyes. If swallowed, seek medical advice immediately. No food and drink should be brought into application areas. Store it out of reach of children. Please refer to the safety data sheet for further information.

RESPONSIBILITY

Work clothes, protective gloves, goggles and masks suitable for workers health and safety should be used during the application. Due to irritant effects of uncured material, it should be washed with plenty of water and soap immediately in case of contact with skin and eyes. If swallowed, seek medical advice immediately. No food and drink should be brought into application areas. Store it out of reach of children. Please refer to the safety data sheet for further information.

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