

BETTOSEAL CAPILLARY

Cement Based, Capillary Effect,
Crystallized Water Insulation Material

MATERIAL DESCRIPTION

BETTOSEAL CAPILLARY, Cement based, single component, applied on concrete from negative and positive directions against surface water in old and new buildings, crystallized waterproofing material.

AREAS OF USE

- Indoor and outdoor, vertical and horizontal applications,
- Basement floors
- Elevator shafts,
- Waterproofing in foundation curtain concretes,
- Tunnels
- Retaining walls,

ADVANTAGES

humidity. High temperatures shorten the time, low temperatures lengthen the time.

- It mixes only with water,
- Easy to prepare and apply,
- The uptime is long,
- It works negatively and positively,
- **BETTOSEAL CAPILLARY** fills the capillary gaps with its permanent (insoluble) crystals and provides water impermeability,
- Protects concrete and reinforcement from corrosive effects of water,
- Permeable to water vapor and air,
- Resistant to freezing and thawing,
- Can be used in drinking water tanks,
- The active material in the product reacts with the water in the concrete and recrystallizes in the capillary spaces. In this way, it provides water impermeability,
- It is the most economical solution from the negative side.

TECHNICAL SPECIFICATIONS

Material Structure

Cement mineral fillers, special additives Gray

Color

+5 °C +30 °C

Applicable Floor Temperature

-20 °C +80 °C

20 min

Service Temperature

Duration of Use (of the mixture)



Note: The above values are given for +23°C and 50% relative

SURFACE PREPARATION

The surface to be applied must be sound, free from any oil, grease, rust, paraffin, paint, bitumen residues that may prevent adhesion to the surface and all loose parts must be cleaned. De- mir and wooden wedges on the surface should be removed and active water leaks, if any, should be repaired with **BETTOFIX** and gaps, uneven surfaces and corner edges should be repaired with **BETTOCRETE** repair mortar with a minimum radius of 4 cm. The surface to be applied must be thoroughly saturated with water one day in advance. The surface should look wet before application.

MIXING

Unlike the other mixing method, **BETTOSEAL CAPILLARY** is poured into the mixing container first. Start mixing while adding the mixing water from the top. The material is mixed with a 400-600 rpm mixing drill for 3-5 minutes until it becomes homogeneous. After resting for 2 minutes, it is mixed again for 1 minute and it is ready for application.

MIXTURE AMOUNT

Approximately 0.3 liters of water should be used for 1 kg of **BETTOSEAL CAPILLARY**. 6 liters of water is sufficient for one bag of 20 kg product.

Mixture density 2kg/lt.

APPLICATION METHOD

BETTOSEAL CAPILLARY is applied with a brush on a water-saturated and damp-looking face. The material should be applied in 2 coats. 3-5 hours should elapse between each coat application. After the 1st coat reaches sufficient hardness, the 2nd coat can be applied.

IMPORTANT NOTE: Do not apply curing material on the material after application and keep the material wet for 5-7 days. This application will ensure crystallization. In water tanks, the tank should be filled 24 hours after application to increase crystal formation and penetration depth. The material becomes waterproof after 7 days. The material should be protected from direct sunlight and wind for 24 hours.

PACKAGING

20 kg polyethylene reinforced paper bag.

EXPENDITURE

1. floor consumption 1 kg/m²
2. floor consumption 1 kg/m²

SHELF LIFE

Under appropriate storage conditions, 12 months from the date of production. Opened packages should be sealed and consumed within 1 week.

STORAGE

It should be stored in its unopened original packaging in a cool and dry environment. For short-term storage, maximum 3 pallets should be stacked on top of each other and shipment should be made on a first-in, first-out system. For long-term storage, pallets should not be stacked on top of each other.

SECURITY MEASURES

Application areas must be ventilated. During application, work clothes, protective gloves, goggles and masks should be worn in accordance with Occupational Health and Safety rules. Due to the irritating effects of uncured materials, the components should not come into contact with the skin and eyes, in case of contact, they should be washed immediately with plenty of water and soap, and in case of ingestion, a doctor should be consulted immediately. Food and beverage materials should not be brought into the application areas. It should be stored out of the reach of children. For detailed information, Material Safety Data Sheet should be consulted.

RESPONSIBILITY

The data contained in this technical document are based on our scientific and practical knowledge. **BETTON Construction Chemicals San. ve Tic. Ltd. Şti.** is only responsible for the quality of the product. **BETTON Construction Chemicals San. ve Tic. Ltd. cannot be held responsible** for any consequences that may occur due to misuse and/or misuse other than the written recommendations on where and how to use the product. **Ltd. Şti.** cannot be held responsible.



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