

Capillary Nanometric in Melt Bag Waterproofing Concrete Additive

PRODUCT DESCRIPTION

PROADMIX BB is a new generation powder concrete admixture that forms needle-tipped crystals as a result of its reaction with concrete, filling the capillary gaps in the concrete and providing effective waterproofing throughout the life of the concrete. When added to fresh concrete, it provides permanent impermeability to water and other liquids in the concrete, protects the concrete against aggressive chemicals such as chloride and sulfate ions, and protects the reinforcement against corrosion effects, thanks to the Nano-minerals it creates by reacting with the non-hydrated cement in the concrete and natural chemicals resulting from concrete hydration. It is a waterproofing system that continues to repair hairline cracks and gaps in concrete as a result of external influences even after years.

FEATURES

- PROADMIX BB is available in bags that melt as soon as it comes into contact with water .
- Does not change the liquid balance in concrete like liquid admixtures.
- It is reactive, it is activated every time it comes into contact with water.
- Minimizes cracks and shrinkage in concrete.
- is permanent and economical .
- It operates in both negative and positive directions, even under Hydrostatic Pressure .
- It eliminates the disadvantages of additional products by using them instead of cover type materials .
- Can be easily added to concrete at the power plant or construction site.
- It is not susceptible to physical effects and degradation like superficial insulation materials .
- Protects concrete against harmful chemicals such as sulfates and chlorides .
- Suitable for contact with drinking water .
- Repairs hairline cracks and gaps up to 0.5 mm .

PRODUCT INFORMATION

Physical Appearance: Lumpy, gray powder

Intensity : $1,1 \pm 0,1$

Chloride Content : % 0,03

Amount of Alkali : % 0,05

USAGE AREAS

- Foundation and Curtain Bundling and Elevator bucket details
- In Water Tanks and Wastewater Treatment Facilities
- In dams and ponds
- In underground parking lots
- In Ports and Shipyards
- In pools and retaining walls
- In tunnels, culverts and subways
- In bridge, viaduct and pile concretes
- In all reinforced concrete structures where protection against waterproofing is required .

700 PROADMIX BB



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APPLICATION INSTRUCTIONS

With the Add to Truck Mixer method, 1 melting bag of 3 kg is used for 1 m³ of concrete. The concrete additive in the melting bags is added for 20 seconds just before concrete pouring. It is thrown into the truck mixer at intervals. In order to obtain a homogeneous mixture, after addition, the truck mixer should be mixed at fast speed for not less than 5 minutes in total.

LIMITATIONS

In order to achieve the targeted impermeability performance in poured concrete, reinforced concrete manufacturing must be carried out within the following limitations.

- Concrete vibration process placement and maintenance must be carried out in accordance with TS 1247 and TS 1248
- After concrete pouring, the curing period must be determined according to articles 8.5 (5) and F.8.5 (5) of TS EN 13670 Standard.

CONSUMPTION

It is used at a rate of 1% of the cement amount.

1 package of 3 kg for 1M³ concrete.

PACKAGING

In an 18 kg plastic bucket.

3 kg water-soluble bags.

SHELF LIFE

It is 1 year from the date of production in its original packaging in moisture-free and dry environments (temperature between +5 C and +25 C). The mouth of the containers should be tightly closed when not in use. It should be kept away from moisture.

STORAGE CONDITIONS

Since it is in meltable bags, contact with water and moisture should be prevented. It should be stored in its unopened original packaging, in a moisture-free, dry and cool environment (temperature between +5 C and +25 C). It should not be left directly outdoors under rain, snow and sunlight.



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SAFETY

Since it is cement based, do not breathe the dust, use a mask. Avoid contact with skin and eyes. Use protective gloves, glasses and clothing. In case of eye contact, consult a doctor immediately. Keep out of reach of children. In case of skin contact, wash with plenty of water and soap. Do not swallow. For detailed information and recommendations, please refer to the Safety Data Sheet .

LEGAL NOTES

Our technical data sheet is DEKOSTAR LTD., which has a wide range of usage areas. ŞTİ. It has been prepared to give general information about the products and to show the technical features of the products, and it is a recommendation and this information is about correct application ground, air, equipment, etc. It is valid under the conditions and when the products are stored under the recommended conditions.

DEKOSTAR LTD. ŞTİ. Since it cannot control the conditions under which its products are used, it does not accept any responsibility for the application result and does not guarantee it. The user of the product must test the suitability of the product before using it.

DEKOSTAR San. will be liable for application errors that may occur if the product is used for purposes other than its intended purpose or if the application conditions and recommendations stated above are not followed. and Tic. Ltd. Ltd. is not responsible and has the right to change the features of its products without notice. Users should always refer to the latest edition of the Product Technical Data Sheet for the relevant product.



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