

BZU-509 / STAMPED CONCRETE SURFACE HARDENER

PRODUCT DESCRIPTION

It is a ready-to-use colored printed concrete surface hardener with quartz aggregate, pigment, special additive and cement-based, applied monolithically to the fresh concrete surface, resistant to abrasion and dusting.

AREAS OF USAGE

Bestkim BZU-509 Stamped Concrete Surface Hardener is used in indoor and outdoor parking and garage areas, in places where decorative appearance is required, in warehouses, hangars, workshops, loading and unloading areas, subway stations, sidewalks and shopping malls with heavy pedestrian traffic. It is used in areas where abrasion is intense.

FEATURES

Provides surface wear resistance. Increases impact resistance. It creates resistance to dusting. The application is easy and economical. It increases the impermeability of concrete. It creates a colorful, aesthetic and decorative surface. It provides high strength thanks to the low water/cement ratio on the concrete surface. It prevents flaking that occurs as a result of freezing-thawing in concrete. By absorbing the water of the slab concrete it is applied to, after polishing forms a monolithic structure with concrete.

TECHNICAL SPECIFICATIONS:

(23 ± 2°C and 50±5% relative humidity) Material Structure: Quartz aggregate Aggregate Hardness: 7 Mohs Application Ground Temperature: (5 C°) - (30 C°) Appearance: Gray and in other desired colors. Flexural Strength: ≥ 6 N/mm² Compressive Strength: ≥ 18 N/mm² Abrasion Resistance: ≤ 5.67 cm³/50 cm² Fire Class: A1

REFERENCE STANDARDS

Approvals/Standards EN 1504-2

APPLICATION INSTRUCTIONS

Surface Preparation: BZU-509 Stamped Concrete Surface Hardener should be waited until the floor is ready before the application. Monolithic screed should be selected according to the need before the application and casting should be done. The floor concrete should be poured in the form of slabs and polished with a wooden trowel. Care should be taken that there is not too much water on the surface. Concrete is ready for BZU-509 application when 0.5-1.5 cm depth footprint remains when the concrete surface is pressed. Application: BZU-509 is distributed to the concrete, which is ready for application, by hand or by means of sprinkling on the surface with appropriate equipment. BZU-509 before spreading It should be ensured that approximately 2/3 of the application area is distributed homogeneously on the concrete surface. It should not be left in chunks. All parts of the sprinkled material should be evenly wetted with the existing water in the concrete and its color should be expected to change. In order to create a smooth floor, the material is thoroughly impregnated with the concrete by making a desk finish (helicopter tray glaze). The same operations should be repeated for the remaining 1/3 of the material. After rough polishing, fine finishing should be done, and surface smoothness should be ensured with high-speed helicopter metal polishing blades until the desired gloss is achieved. After the concrete gains strength, the joints should be formed by cutting the slabs within 1-3 days and these joints should be filled with suitable filling material. BZU-509 Stamped Concrete Surface Hardener can be applied to the pressed concrete surface, which has been cleaned and dried from the mold release agents, to obtain a bright appearance.

PACKAGING

25kg moisture resistant kraft bag.

SHELF LIFE

12 months in dry conditions in its unopened package.

CONSUMPTION

3 - 5 kg/m² according to the intended use and traffic load

COMPLEMENTARY PRODUCT

BZU-507 Concrete Floor Polish (Glossy)

STORAGE

In its unopened original packaging, in a dry (max 60% relative humidity) and cool (temperature between 5°C and 25°C) environment should be stored. It should not be left under direct sunlight. It should be stored in a dry environment with a maximum of 10 layers.

SAFETY RECOMMENDATIONS

During the application, work clothes, protective gloves and masks in accordance with the Occupational and Occupational Health Rules should be used. May cause health damage in contact with skin. The equipment used should be cleaned immediately with water. The dried material can only be removed by mechanical methods. Protect the applied surface from wind, rain, frost, pedestrian traffic and high humidity until it is completely dry. Do not apply in conditions where the surface and ambient temperature is lower than 5°C or higher than 35°C. Surface hardeners increase the impact and abrasion resistance of the applied surface. Since it does not contribute to increasing the mechanical strength of the applied concrete, it will be applied on the concrete. must be designed according to the loads. Protect the surface from heavy traffic for 24 hours after the application. Joint cutting should be done as soon as possible, the day after the application. The indicated consumption amount is a general information. It may vary depending on application conditions and surface properties.

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