

BZU - 505 / KUVARS AGGREGATE SURFACE HARDENER

PRODUCT DESCRIPTION

Cement based, surface hardener with special aggregate for industrial floors. It is applied on fresh concrete and screed, which protects floors against abrasion and impacts; It is a surface hardener consisting of aggregate, hydraulic binder and additives.

AREAS OF USAGE

Bestkim BZU-505 Kuvars Aggregate Surface Hardener is used in factories, textile workshops, parking lots, warehouses, loading and unloading areas, repair shops and garages, supermarkets and spring traffic to increase wear resistance on surfaces exposed to light, medium and heavy traffic and to prevent the surface from dusting. Used in densely populated areas.

PRODUCT ADVANTAGES

Applied to fresh concrete. It increases the strength 2-4 times compared to normal concrete. It increases resistance to abrasion and prevents dusting. It can be produced in different colors. Its specially prepared pigmented structure does not fade in exposure to alkalis and sunlight. It is possible to obtain a textured surface (imprinted concrete) with different application methods. It is resistant to atmospheric conditions.

TECHNICAL FEATURES:

(23 ± 2°C and 50±5% relative humidity)

APPLICATION INFORMATION:

Application Ground Temperature: (5 C°) - (35 C°)

Temperature Resistance: (-30 C°) - (70 C°)

Appearance : Gray, green, red powder

Usage time: 8 hours on the wall - 1 day on the floor

Aggregate Hardness: 6-7 MOHS scale

Consumption Average: 4 - 8 Kg/m², 5 Kg/m² for colored applications

Adhesion Strength by Pull-off: ≥2.0 N/mm²

Abrasion Resistance: Max 3000 mg

Capillary Water Absorption and Water Permeability: w<0.1 kg/m².h^{0.5}

Impact Resistance: Class II

Fire Response: A1

REFERENCE STANDARDS

Approvals/Standards TS EN 1504-2 / NİSAN 2008

APPLICATION INSTRUCTIONS

Concrete pouring: After the slabs are prepared, concrete is poured. The surface is smoothed with the concrete control jig placed in the mold with a vibratory screed. If necessary, a final correction is made with a wooden trowel. Application: The application surface should not be too wet or too dry. The surface must be wet enough to absorb the moisture needed by the hardener! In cases where the concrete is dry, the surface hardener will not combine with the concrete, crust will be removed from the ground, however; if the surface is too wet, the surface hardener will decompose and the required strength and strength will not be formed on the surface. In such cases, excess water on the surface should be removed. When the concrete leaves a 2-3 mm deep mark when stepped on, it is the appropriate setting time for the hardener to be applied. The required amount of BZU-503 Kuvars Aggregate Surface Hardener packages are brought to the area where the surface hardener will be applied and homogeneously thrown on the surface by hand or with a mechanical spreader. The surface hardener is expected to change color by taking the water of the concrete and then the integration of the material with the concrete is ensured with the disc polishing. In applications over 5 kg/m², 2/3 of the material should be sprinkled first, and after the disc operation, the remaining 1/3 amount of material should be laid and polished with a disc again. After the rough polishing process is finished, the final polishing is done until the desired brightness is achieved by making fine blade adjustments. should be continued. During the application, water should not be sprinkled on the surface. Curing: Within 1 hour after the application is over; it should be protected with Bestkim Surface Curing Material in order to prevent evaporation of the hydration water; capillary shrinkage cracks and increase the strength of the concrete. Joint Locations and Cutting: Joint cutting should be done within 1-3 days. When the concrete moisture reaches the appropriate level for grouting, the joints should be filled with a suitable grouting paste.

PACKAGING

Bestkim BZU-505 Kuvvars Aggregate Surface Hardener is presented in 25kg kraft bags and a total of 80 bags (2000 kg) on a 105x105 cm pallet.

STORAGE

Shelf life is 12 months in dry conditions in its unopened package. It should be stored in its unopened original package, in a dry (max. 60% relative humidity) and cool (temperature between 5°C and 25°C) environment. It should not be left under direct sunlight. It should be stored in a dry environment with a maximum of 10 layers.

SAFETY RECOMMENDATIONS

Easy and safe application of the product Please refer to the Safety Data Sheet (SDS). Do not breathe the dust as it is cement based. Do not contact eyes.

CERTIFICATE OF CONFORMITY