

Chelfix Stone Carpet 1C

Polyurethane Based Stone Binder

Product Description

One component, solvent free, aliphatic, UV stability enhanced polyurethane binder which cures by reaction with atmospheric moisture. It is 100% solids, low viscosity, and hard elastic, stone binder.

Areas of Application

- Children and school playgrounds.
- Parks.
- Running tracks and walkways.
- Sport facilities.
- Outdoor recreation areas.
- Synthetic surfaces.
- Walkway around the swimming pools.



Advantages

- Single component and ready to use.
- It has excellent UV resistance.
- It has excellent adhesion to the ground.
- Solvent-free, 100% solid content.
- It has excellent durability.



Application Instructions

Surface Quality: Concrete and plasters must be cured for at least 28 days. Mortar residue on the cured surface, etc. It is applied after it is removed by light sanding or brushing. Old paint, dirt, dust, etc. on the old concrete and plaster surface. loose particles such as sandblasting, scraping, brushing methods are removed. Oil and grease residues are cleaned with detergent and water. If neutralization is required, the surface is wiped with 3-4% hydrochloric acid or acetic acid solution and washed with water.

Surface Preparation: The surface to be applied should be free of any oil, rust, detergent, etc. It should be free from sticking inhibitors, loose and volatile particles. Concrete surface moisture is below 4% should be.

If there are situations that require repair such as cracks or cavities on the surface, they should be repaired with appropriate CHELFIX cement-based or epoxy-based mortars.

Surface and Ambient Temperature: +5 ° C- +30 ° C.

Application Instructions: Chelfix Stone Carpet 1C ready to use product; 1: 20 (binder: stone) ratio mixed together to be homogeneous. The prepared mixture is applied to the surface with the help of a trowel so that a smooth surface is obtained.

Curing Phase: Before Chelfix Stone Carpet 1C completes its curing (it is one component), water should not be allowed on it and it should not be opened to pedestrian traffic. Opening time to traffic min. It is 24 hours. This period may vary according to weather conditions. It may take longer in cold weather.

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Application Method/ Equipment: Trowel

Mixing: It should be done with a low speed mixer. Mixing by hand should be avoided.

Consumption

6.25 - 7.5% by weight of binder is used in the amount of stone to be used in the application, this rate may vary according to the size of the stone.

Technical Data

Property:	
General Information	
Chemical Structure	Polyurethane
Color	Clear
Density	1.10 (g/ml) (EN ISO 2811)
VOC	< %1
Solid Matter	100 %
Initial Curing	> 24 hours
Opening to Pedestrian Traffic	>48 hours later
Full Curing	7 days
Application Temperature	10°C - 30°C
Usage Rate	% 5-6
Compressive Strength	> 12 Mpa EN 196-1
Flexural Strength	>5 Mpa EN 196-1
Reaction to Fire (Mixed with Stone)	B-s1
Packaging	5 – 18 Kg
Shelf Life	It has a shelf life of 1 year in its unopened original package, in an environment protected from moisture, water and sun rays

Cleaning

After the application, it should be protected against adverse weather conditions such as direct sunlight, strong wind, high air temperature (over +35°C), rain and frost. Since the hardening will be completed shortly after the application, care should be taken and hands should be washed with soap and water.

Cleaning Equipment

Equipment should be cleaned with Boat Thinner immediately after the application, before it hardens.

Cleaning Time

Approximately 2 hours at 20°C.

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Pot life

Approximately 2 hours at 20°C

Application Notes/ Limitations

- Use gloves, goggles and protective clothing.
- In case of contact with skin, wash with soap and water.
- Do not swallow, do not use empty packages to store foodstuffs and do not throw them into fire.
- For professional use only.
- Keep out of reach of children.