

SuperCoat Hardcrete

Liquid surface hardener and dust proofer for concrete surfaces

Product Description

SuperCoat Hardcrete is colorless, odorless water based material which is offered as ready-to-use. It is a compound which enters into chemical reaction with the concrete, thus strengthening the concrete, preventing dust, and it contains silicone variants. When it is applied well, it allows an excellent wearing resistance and resistance against water and chemical materials.

Thanks to special chemicals it contains, it pierces through the concrete and penetrates into the depths through the capillary spaces, and it forms very strong homogeneous concrete crystals as a result of chemical reaction. This way,

no pore is left inside the concrete, the mechanical strength of the material increases, no dust is formed, and the concrete doesn't absorb water due to its water repellent feature. An excellent wearing resistance is obtained also on the surface. This chemical reaction inside the concrete starts immediately after the application and continues for several months.



Areas of Application

SuperCoat Hardcrete is an ideal material which is designed to make concrete surfaces water repellent and resistant, and it is a material which can be used anywhere where there is concrete surface. It is easy to apply and economical. Application fields mentioned below are the most common ones and they only include the important ones;

- All the factory floors; since it doesn't contain any material which is harmful for health, it is especially ideal for all kinds of food factory floors (meat, milk, beverage vs.)
- Warehouse floors
- Parking lots and garages
- Museums, hospitals, sport fields
- Airports
- Treatment plants
- All kinds of buildings which have exposed concrete surfaces.

Disposal

Empty packages can be thrown to the collection bins according to regional-local regulations or recycling rules. After drying up and hardening the used waste material, throw it away as construction waste material. It is dangerous to dispose of product wastes by burning them.

Points to Take into Consideration

Keep the products in places out of reach of children. Always keep the cover of the products closed. It is recommended to wear gloves and goggles during operation. In case of contact of skin with the material, it should be washed with soap and water immediately. In case of contact with the eye, see your doctor immediately.

General Considerations

Above-mentioned product information and descriptions are prepared for guidance purposes as a result of our experiences and meticulous studies. The variety of related materials and their different construction and operation conditions can not be controlled or influenced by us individually. For applications beyond our control, the guarantee status is only limited to the quality of sold product. Except the manufacturing of the product, no guarantee is given for application. This technical sheet invalidates all the existing sheets. The quality of the performed job may vary depending on your professional use of the product. If you are hesitant, make a little test or get technical help.

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Application

New Concrete: No surface process is needed for new concrete. Preferably the concrete must complete its 7 days of setting time, in emergency situations SuperCoat Hardcrete can be applied when the concrete is hardened enough to be able to step on it. Application temperature can be between 2^oC – 50^oC.

SuperCoat Hardcrete is poured with low-pressure spray gun or poured onto the surface and applied in an average of 4-6 m²/ liter. When it is poured onto the surface, it is fed into the surface and spread with a soft brush or suitable spreading tool. This way the surface is heated up, and the penetration of the material into the concrete is enabled by reducing the surface tension.

The surface is kept wet for 30 minutes on average, and then it is waited for surface to gelate and become slightly slippery. In cold weather, gelling period is extended and in warm weather it becomes shorter. In warm weathers, additional SuperCoat Hardcrete may need to be applied in order to keep the surface wet; in absorbent surfaces no dry spot should be left, and the surface must be dampened with additional SuperCoat Hardcrete.

When the material gelates and surface becomes slippery, water must be sprayed onto the surface in mist form, preferably with spray gun; this way, gelated and slippery material is melted again and the gelating and slippery on the surface is prevented. The material is fed into the surface with brush and suitable tools. After this, it is waited again for the material to gelate and become slippery a second time. If excess material is left on the surface, water is sprayed to the surface and excess materials are fed into the surface with a brush and the rest is moved away.

Current (Old) Concrete: Materials like paint, covering, oil, dirt vs. which are applied on the surface before and which can prevent the permeability of the SuperCoat Hardcrete material shouldn't be present. And then the application is made in a similar way with new concrete.

Cleaning

Tools and equipment can be cleaned with clean cold water.

Packaging

SuperCoat Hardcrete is available in 30 Kg pails and 200 Kg drums.

Storage

SuperCoat Hardcrete can be stored for 12 month in a cool and dry environment.

Fire

SuperCoat Hardcrete is nonflammable.

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