weber Concrete impregnation creme

- Good resistance to alkalis
- Good depth of penetration to concrete
- Very good water vapour permeability
- Thixotropic and so may be applied without loss of material
- Approved in the bridge repair instructions (SILKO) of the Finnish Road Authority

Product specification	
Material consumption	Approx. 200-400 g/m²
Drying time	2-5 h (+23 °C, RH 50%)
Water vapour transmission coefficient	Sd 0.005m
The penetration depth	Approx. 10mm (RH 70%) and approx. 7mm (RH 95%), SILKO-test
Density	0.9 kg/l
Painting product group 2012	171 Water-dilutable impregnants
Shelf life	Approx. 12 months from the date of production (unopened package, warm space, protected from sunlight). Do not freeze!
Package	25 kg plastic container
Certifications	CE

About this product

Aqueous, solventless, creamy, silane-based water repellent. It is a high-quality specialty product for impregnating both normal and reinforced concrete.

Product attributes

- Durable
- Good flow

Application characteristics

- Hand applied
- Sprayable

Area of use

Surface protection products - Hydrophobic impregnation. 1.1, 2.1 and 8.1 of EN 1504-2. weber Concrete impregnation creme is recommended particularly for impregnating and priming concrete and reinforced concrete used in building bridges, roads and buildings. In principle, weber Concrete impregnation creme may be used on any alkaline substrate that has been treated previously with concentrated or undiluted impregnating agents, such as alkoxysilanes.

Substrate

To ensure that the cement sets properly, it is best to wait at least two weeks, and preferably four, before impregnating it. Remove coarse particles and dust from new unsoiled surfaces with a brush or compressed air. Use superheated steam to clean weathered surfaces that are heavily soiled with oil or abraded rubber, etc., prior to treatment. weber Concrete impregnation creme should not get into direct contact with bitumen. The resistance of insulant against weber Concrete impregnation creme has to be determined dependent on temperature.

Substrate type

- Concrete

To know before applying

weber Concrete impregnation creme is a unique impregnating agent because it is thixotropic. It has an outstanding ability to impregnate high-quality concrete and reinforced concrete. Unlike conventional liquid products, weber Concrete impregnation creme can be applied in just one coat of the desired thickness (at the very most, two coats). The silane active ingredient penetrates the substrate within 30minutes to several hours, the exact time depending on the porosity and thus quality of the concrete. On reaction with the substrate, it releases ethanol and is converted into a polymeric silicone resin. A creamy layer forms initially, but this then disap-

1/9/2020

pears completely. As the active ingredient is the same as in conventional liquid impregnating agents, impregnation with weber Concrete impregnation creme does not clog the pores or capillaries, nor does it affect its ability to "breathe". weber Concrete impregnation creme is designed to penetrate deeply into concrete so as to afford optimum protection against absorption of water and pollutants as well as freeze / thaw cycles. This effect should not be confused with the "beading" effect imparted by impregnating agents that is often referred to as water repellency. Beading is only a surface effect, and it plays a secondary role in protecting the substrate. Concrete treated with weber Concrete impregnation creme has initially only a moderate beading effect, but this increases after the surface has been wetted.

Work instructions

The working temperature should be between +5...+30 °C and relative humidity below 85%. weber Concrete impregnation creme is best applied to the concrete by the airless technique, undiluted and in the desired thickness. Brushes, lambskin rollers or spatulas may be used for smaller areas. Up to 300 g/m² may be applied in one operation to vertical surfaces and roofs, without loss off material. The exact amount depends on the absorbency of the substrate. If the substrate is of high quality and hence not very absorbent, do not apply more than roughly 200 g/m² in one operation, as it may take several hours to penetrate completely. At higher application rates, the impregnating film might liquefy because of the concrete´s alkalinity and it might start to run off. A second coat of weber Concrete impregnation creme may be applied at any time, but is usually unnecessary. Only impregnate concrete that has a uniformly dry surface with no damp patches. Should it suddenly start to rain, stop treatment and cover the impregnated areas.

After-treatment

The product does not require after-treatment, but impregnated surface must be protected from rain for at least 1 day.

Maintenance instructions

Impregnation treatment is renewed between 10-20 years cycles, as needed depending on exposure conditions.

Recycling

Please visit your local weber website to find information on waste material and packagings.

Disclaimer

As there are different conditions at every opportunity, Weber can not be held responsible for anything other than the information provided under the heading "Product Specification". Examples of information and circumstances, which are outside Saint-Gobain (whether specifically stated or not) include storage, construction, processing, interoperability with other products, workmanship and local conditions.

1/9/2020