



Product Number: 143

Repellit

Description:

Repellit is an aqueous, solvent less, creamy, silane-based water repellent. It is a high quality specialty product for impregnating both normal and reinforced concrete.

Special features

- dramatic reduction in chloride and water absorption
- comprehensive protection against frost / road salt attack
- optimum resistance to alkalis
- good depth of penetration
- provides good adhesion for paints
- solvent less, aqueous and environmentally compatible
- low volatility
- thixotropic and may so be applied without loss of material
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Repellit 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, Repellit 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 30 minutes 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 disappears completely. As the active ingredient is the same as in conventional liquid impregnating agents, impregnation with Repellit does not clog the pores or capillaries, nor does it affect its ability to "breathe". Repellit 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 repellence. Beading is only a surface effect, and it plays a secondary role in protecting the substrate. Concrete treated with Repellit has initially only a moderate beading effect, but this increases after the surface has been wetted.

Product data

Typical general characteristics	Inspection Method	Value
Appearance		white or yellowish crème
Active substance		approx. 80 wt. %
Density		approx. 0,9 g/cm ³
Flash point	ISO 3679	64 °C

These figures are only intended as a guide and should not be used in preparing specifications.