
VARIPHOB® TOP 1

Characterization	Water repellent agent for the surface treatment of alkaline grounds
Chemical Structure	Aqueous emulsion of silane and polysiloxane
Appearance	White liquid
pH Value	5.0 – 7.0
Active Content	Approx. 40 %
Stabilities	VARIPHOB® TOP 1 is sensitive to frost; after the impact of temperatures around the freezing point irreversible changes will occur.
Storage	If stored properly in original containers (tightly closed at temperatures between 5 °C and 25 °C), the product will hold for 12 months.

The above given values are product describing data. Please consult the 'delivery specification' for binding product specifications. Further data about product properties, toxicological, ecological data as well as data relevant to safety can be found in the safety data sheet.

Properties

VARIPHOB® TOP 1 is applied as water repellent additive on absorbent substrates.

VARIPHOB® TOP 1 has an excellent penetration capacity and quickly leads to a hydrophobic character on alkaline grounds.

VARIPHOB® TOP 1 strongly reduces the capillary absorbing power of the treated surface, but does not clog the pores.

Moreover, VARIPHOB® TOP 1 reduces the salt absorption of the treated substrate.

VARIPHOB® TOP 1 has a high protective effect against the alternating impact of frost / de-icing salt.

Application Procedure

Processing

VARIPHOB® TOP 1 is processed by flooding or saturated application with the brush. A double "wet-on-wet" application is absolutely recommended to avoid defects.

®= registered trade mark

Application Fields

VARIPHOB® TOP 1 is excellently suited for the use on absorbent, alkaline grounds:

- Concrete
- Reinforced concrete in bridge, road and building construction

Recommendation for Use

VARIPHOB® TOP 1 is applied on the alkaline substrate. Soilings are to be removed prior to applying the product. The substrate must be dry, solid and free from dust and grease.

The efficiency and penetration depth of VARIPHOB® TOP 1 are the better, the drier the ground. Water spots or individual moist spots on the concrete surface lead to an uneven impregnation. Water or rain must not get in contact with the emulsion until VARIPHOB® TOP 1 has been completely absorbed by the substrate. Freshly treated surfaces must be protected from water impact.

If VARIPHOB® TOP 1 is used in combination with insulating materials, the stability of the insulating material to VARIPHOB® TOP 1 must be tested. A direct contact with bitumen must be avoided at any rate.

We reserve the right to modify the product and technical leaflet.

Our department for applied technique is always at your service for further information and advice.

Our technical advice and recommendations given verbally, in writing or by trials are believed to be correct. They are neither binding with regard to possible rights of third parties nor do they exempt you from your task of examining the suitability of our products for the intended use. We cannot accept any responsibility for application and processing methods which are beyond our control.

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