

VARIPHOB® AC 5002

Characterization	Water-repellent agent for the protection of mineral based construction materials
Chemical Structure	Silicone based hydrophobic powder
Appearance	White powder
Apparent Density	750 - 990 g/l
Stabilities	<p>VARIPHOB® AC 5002 is not sensitive to frost.</p> <p>The packaging must be protected from direct sun radiation and keep from temperatures higher than 30°C.</p> <p>The product must be protected from humidity.</p>
Storage	<p>In closed original packaging at room temperature (approx. 23 °C) the product will be stable for 12 months.</p> <p>We recommend not exceeding a storage of 12 months.</p>

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

- Reduces the capillary water absorption
- Reduce efflorescence (reduce ingress and transport of water-soluble salts)
- Reduce the chloride absorption
- High resistance to alkalis
- Increases the surface hydrophobicity
- Good water vapour permeability
- Increases the durability of cementitious building materials
- Good flowability

Application Technique

Application Fields

VARIPHOB® AC 5002 is especially recommended for the mass hydrophobation of the following materials.

Preferred Application Fields:

- Cement-based construction materials
- Mineral mortar / Grout
- Plasters
- Renders
- Joint fillers
- Sealing mortars
- Levelling compounds
- Skim Coats

Recommendation for Use

We generally recommend adding 0.1 – 1.0 % VARIPHOB® AC 5002 based on the dry mortar weight in formulations. The optimal dosage has to be determined in pre-trials.

VARIPHOB® AC 5002 is to be mixed with the components of the dry mortar homogeneously prior to adding water.

There can be differences in strength and shrinkage compared to a non-hydrophobic system.

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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