

Maleki-VS 910

Silicate sealant

Item-No.: 1811

Versatile silicate sealant for mineral wall and floor surfaces. Ideal for polished substrates



Technical data

Basis	Silicate-polymer hybrid	Density	1.1 g/cm ³
pH-value	11.4	Color	milky white
Processing temperature	min. +5 °C max. +35 °C	Necessary number of applications	
Maximum permitted humidity	max. 95 % rel. H.	Undiluted	1 - 2 applications
		Diluted (1:1)	2 - 4 applications
Organic solvents	none	Consumption	depending on underground conditions and absorbency
		Undiluted	Approx. 100 – 150 g/m ²
		Diluted (1:1)	Approx. 200 – 300 g/m ²

Properties

- environmentally friendly
- very low emission EMICODE EC 1^{PLUS}
- water vapor permeable
- prevents from penetrating liquids and dirt
- closes pores of the substrate
- increases the strength of porous substrates
- reduces abrasion

Range of usage

- for indoor use
- sealing and protection of previously created floor areas with products of the Maleki-IFS or BV lines
- Impregnation of Maleki Terrazzo floors
- protection against household liquids

Product systems

- Lithokor Terrazzo
- General use: Sealer for Maleki products

Preparation of substrate

Prior to application ensure that the underground is dry, dust-free, clean, and free from other substances that could lead to separation before coating. Chalking and strongly sandy components must be removed before application (suck off with efficient industrial vacuum cleaner). Render and/ or coatings must be removed. After cleaning, the area should be walked on only with disposable shoe covers to avoid entry of any contamination.

Application

General information

For the application with new paint rollers all loose fibers have to be removed. Rinse the paint roller in clear water. Maleki-VS 910 is

applied undiluted in 1 – 2 applications with a paint roller or by spraying without leaving any streaks.

In the case of the spray method, the surface must be wiped with a microfibre mop after the coating has been sprayed on.

Therefore, prevent the microfibre mop from running dry to ensure a uniform application of the sealer. For this purpose, it is recommended to wet the previously cleaned microfibre mop with Maleki-VS 910 as well. After a waiting time of at least 15 minutes the second layer can be applied. The exact drying times depend on the substrate conditions, the ambient temperature and on the relative humidity. Before application of additional layers observe sufficient filming formation of the product. Ensure also the use of shoe covers at this stage to avoid any type of pollution of previously dried surfaces. Existing footprints are difficult to remove and affect the optimal appearance of the whole coating.

Use on Maleki-Terrazzo

For use on Maleki terrazzo floors, it is recommended to use the spray method. Therefore, Maleki-VS 910 is diluted 1:1 with clear tap water. Then the material is applied as described (see above). When using the 1:1 dilution, the number of applications must be doubled compared to the undiluted variant in order to obtain a comparable protective effect. The waiting time between the layers may increase for the following applications. However, this also depends on the prevailing conditions.

To achieve higher degree of gloss the sealed surface can be polished after 5 hours. Use a single-disc machine without additional weight. For polishing of the fresh surface, a white pad is recommended.

For both application variants long-term water load should be removed immediately within the first 7 days. Thereafter, the surface is resistant to permanent water load, beverages, oil and fats. Scratches in the surface caused by mechanical abrasion can be repaired with a new layer of sealer.

Tools and cleaning

Short fiber paint roller, microfibre mop, spraying device.

Technical data sheet

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All equipment should be washed clean and dried before and after application.

Packaging and shelf-life

5 or 30 liter canisters. Container available on request.

Original packing is storable for 6 months in dry and controlled temperate areas (not below 0 °C, recommended 10 – 25 °C). Reseal opened containers immediately and use within a very short time.

Safety notes

Please refer to the Material Safety Data Sheet which can be requested on www.malekigmbh.com for further information on safety during transportation, storage, handling and disposal. Follow instructions on the packaging.

Relevant regulations and fact sheets

When applying Maleki-VS 910 and subsequently reworking it with other coverings, the following regulations and fact sheets must generally be observed, unless otherwise specified in this technical data sheet:

Maleki data sheets

Lithokor Grinding Manual for Terrazzo

Notes

Because of the different absorbency of various substrates we recommend a test application on a sample area.

Impurities have to be washed off immediately with water. All tools should be cleaned between applications.

Conserving all properties and the respective gloss level of Maleki-VS 910 careful maintenance and care is necessary. Sand or coarse particles are grinding materials and have to be removed during the normal cleaning procedures. Despite the protective function of the product long lasting loads with harmful liquids should be avoided to prevent staining of the coating. Durable and strong mechanical stress on the substrate (for example heavy machinery) can damage the coating. In this case, we recommend a post-treatment of the damaged area with Maleki-VS 910. For this a basic cleaning is performed with a commercially available, slightly alkaline floor cleaner.

In case of larger areas or for a high degree of staining or pollution the use of mechanical cleaning procedures is recommended. For this a single disk grinder with a white or beige pad is necessary. After cleaning, the surface is rinsed with water until all residues of the cleaner are removed.

The surface should be dry for the subsequent coating. For rework with Maleki-VS 910 a spraying application is recommended. The spraying procedure is followed by a uniform distribution of the sealer with a microfiber mop up to the desired amount of liquid material. Depending on the degree of staining or pollution a second layer of Maleki-VS 910 may be required.

The content of this technical data sheet corresponds to the latest development and our applications experience. All information is based on ideal conditions and therefore does not apply for every application purpose. Due to different materials, substrates and different actual site conditions no warranty is given for the customer's application. In particular, we assume no liability based on this information or any verbal statements. The only exception is when we can be blamed for the case of intent or gross negligence. In that case the customer has to

prove that he has transmitted all required information completely and in a timely manner for a proper and promising evaluation by Maleki GmbH. Any further details regarding the application of our products have to be confirmed in writing by Maleki GmbH. The customer must test the product's suitability for the intended application and purpose. We reserve the right to change the product specifications due to the ongoing development. Apart from that our general terms and conditions are valid. This data sheet supersedes all earlier technical data on this product. The technical data sheet can be requested on www.malekigmbh.com.