

Technical Data Sheet

CaLoXiL Lime slurry fine

Properties

CaLoXiL Lime slurry fine contains a synergistic mixture of conventional white lime hydrate (CL 90-S) and nano-lime particles from CaLoSiL® as binder. Selected marble powders with defined particle size distributions and a maximum particle size of 100 µm guarantee an excellent adhesion to mineral substrates.

CaLoXiL Lime slurry fine is a suspension with a low viscosity.

CaLoXiL Lime slurry fine can be applied indoor and outdoor on loam, lime and concrete surfaces as well as on natural stone.

CaLoXiL Lime slurry fine forms highly diffusionable coatings which are capillary active. They are characterized by a high frost-thaw resistance. Tinting with alkali-resistant pigments is possible.

Due to the high content on calcium hydroxide, the coating has natural anti-algae and anti-mould properties. CaLoXiL Lime slurry fine does not contain any synthetic binders or cement and is free from additional biocides and pesticides. It is a product with antiallergic properties. CaLoXiL Lime slurry fine is completely compatible to all other CaLoXiL products as well as the CaLoSiL® and CaSoPal® materials.

Density	1.47 g/cm ³
Water absorption	29 Ma.-%
Porosity (Vol.%)	38 Vol.-%
Water absorption coefficient	4.2 kg/(m ² h ^{1/2})
Water vapor diffusion [µ-value) at 50 % relative humidity	6
Adhesive tensile strength (on Baumburg sandstones)	0.27 N/mm ²
Drying behavior Water content after 48 hours	0.8 wt.-%

Application Advices

CaLoXiL Lime slurry fine is ready to use. Stir well before using. The consistency can be modified by the addition of water. The substrate has to be dry, clean and free of loose particles, dust and oil. Old coatings as well as sinter skins have to be removed prior application. Highly absorbent surfaces have to be wetted between 12 and 24 hours before the application of CaLoXiL Lime slurry fine. Applications should not be realized at temperatures below 10 °C and above 30 °C. The treated surfaces should be subsequently wetted at least for three day. This results in enhanced carbonation and connected with that, in accelerated strengthening.

Packaging

CaLoXiL Lime slurry fine is available in 0.5 L, 1 L, 5 L and 10 Liter containers.

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Storage

CaLoXiL Lime slurry fine has to be stored between +5 °C and +25 °C. In unopened, original containers, storage for at least one year is possible. Protect from frost!

Safety

CaLoXiL Lime slurry fine is strongly alkaline. Avoid any contact with eyes and skin. Use safety glasses and gloves. Immediately rinse off any splashes thoroughly with water. Do not eat, drink or smoke during the application. Clean the tools with water after every application. Keep out of reach of children.

Do not allow to penetrate into the sewage system or soils. Keep the containers tightly closed.

Follow the instructions given in our Material Safety Data Sheet!

Before using in large scale, we recommend to treat a small test field in order to find out the most favourable application method and the required volumes of CaLoXiL Lime slurry fine.

The information mentioned above is state of the art and has been developed by intensive research and development. The application of our products and their use is beyond the range of our influence. Therefore, IBZ-Salzchemie GmbH & Co. KG cannot take any liability from events that result from the information contained in this Technical Data Sheet. Careful and considered use of CaLoXiL Lime slurry fine is highly recommended.



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