

# Technical Data Sheet

## CaLoXiL Lime slurry coarse

### Properties

CaLoXiL Lime slurry coarse contains as binder a synergistic mixture of conventional white lime hydrate (CL-90) and nano-lime particles from CaLoSiL®. Selected marble powders with defined particle size distributions serve as filler. The maximum particle size is 300 µm. The well graded particle size distribution gives an excellent adhesion to loam, lime and concrete surfaces as well as to natural stone.

CaLoXiL Lime slurry coarse is ready to use. It can be applied by a brush or a roller. A vapor permeable, capillary active coating is formed which has an excellent frost-thaw resistance. Tinting with alkali-resistant pigments is possible.

CaLoXiL Lime slurry coarse can be applied indoor and outdoor. It is fully compatible to the other CaLoXiL products as well as to the CaLoSiL® and CaSoPaL® materials.

The high lime content guarantees anti-mould and anti-algae properties. CaLoXiL Lime slurry coarse does not contain any synthetic binders or cement and is free from additional biocides and pesticides.

Density	1.5 g/cm <sup>3</sup>
Water absorption	20 wt.-%
Porosity (Vol.%)	31 Vol.-%
Specific surface	2.0 g/m <sup>2</sup>
Capillary suction (3 cm)	20 Minuten
Water absorption coefficient	4.8 kg/(m <sup>2</sup> h <sup>1/2</sup> )
Water vapor diffusion µ-value at 50 % relative humidity	6
Adhesive tensile bending strength (on Baumburg sandstone)	0.34 N/mm <sup>2</sup>

### Application advices

CaLoXiL Lime slurry coarse is ready to use. Stir well before using. The consistency can be modified by the addition of water. This, however, changes the character of the material and has to be tested in advance. Mixing with pigments stable under alkaline conditions is possible. 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 coarse. Applications should not be realized at temperatures below 10° C or above 30° C. The treated surfaces should be subsequently wetted at least for three days. This results in enhanced carbonation and connected with that, in accelerated strengthening.

### Packaging

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

## Storage

CaLoXiL Lime slurry coarse 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 coarse 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 coarse.

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.



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