



CaLoXiL® Filler fine

Properties

CaLoXiL® Filler fine is a ready to use material for levelling and smoothing rough substrates, repairing missing areas and filling cracks and voids.

CaLoXiL® Filler fine contains a mixture of conventional white lime hydrate and fine calcium hydroxide particles as binder resulting from CaLoSiL®. Organic binders or dispersions are not present.

The addition of selected marble powders with a maximum particle size of 200 µm results in an excellent workability and prevents shrinkage.

CaLoXiL® Filler fine forms highly diffusionable coatings which are capillary active. Good adhesion to mineral surfaces, weather resistance and natural protection against the growth of fungi and algae are further fundamental properties of CaLoXiL® Filler fine. After hardening, CaLoXiL® Filler fine can be sanded with glass paper.

CaLoXiL® Filler fine is especially suitable for the preservation of the cultural heritage and for ecological housing reconstruction. *CaLoXiL® Filler fine* is completely compatible to other *CaLoXiL®* products as well as to the *CaLoSiL®* and *CaSoPaL®* materials.

CaLoXiL® Filler fine can be applied both for inside and outside applications on mineral substrates (natural stone, lime based mortar, plaster and render, cementitious materials, loam etc.). Tinting with alkali-resistant pigments is possible.

Application Advices

CaLoXiL® Filler fine has to be stirred well before using. Addition of small volumes of water 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 prior to application of *CaLoXiL® Filler fine*. The maximum layer thickness should not exceed 5 mm. Application should not be realised at temperatures below 10 °C and above 30 °C. The treated surfaces

Density	1,7 g/cm ³
Water absorption	21 wt.-%
Porosity (Vol.%)	31 Vol.-%
Specific surface	2,9 g/m ²
Capillar suction (1 cm)	21 minutes
Water absorption coefficient	4,1 kg/(m ² h ^{1/2})
Water diffusion, µ-value at 50 % relative humidity	4,9
Dynamic modulus of elasticity	7900 N/mm ²
Compressive strength	8,5 N/mm ²
Adhesive tensile strength (on Baumburg sandstone)	0,36 N/mm ²
Drying characteristics H ₂ O content after 48 hours in wt.-%	0,8
Shrinkage (layer of 0,5 cm)	0,0

should be subsequently wetted at least for three day. This results in enhanced carbonisation and connected with that, in accelerated strengthening.

Packaging

CaLoXiL® Filler fine is available in 500 mL, 1 L, 5 L and 10 L containers.

Storage

CaLoXiL® Filler fine has to be stored between + 5 °C and +30 °C. In unopened, original containers, storage for at least one year is possible. Protect from frost!

Safety

CaLoXiL® Filler fine is strongly alkaline. Avoid any contact with eyes and skin. Use safety gloves and glasses. Immediately rinse off any splashes thoroughly with water. Do not eat, drink or smoke during the application. Clean the tools after every application with water. 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 areas in order to find out the most favourable application method and the required volumes of CaLoXiL® Filler 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 leaflet. Careful and considered use of CaLoXiL® Filler fine is highly recommended.



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