

Technical Leaflet



IBZ-Salzchemie
GmbH & Co.KG

CaLoXiL® Repair mortar



Properties

CaLoXiL® Repair mortar is a ready to use lime based mortar with calcium hydroxide nano-particles (CaLoSiL®) as binder. Selected marble powders with defined particle size distribution serve as filler. Binder and filler are stable dispersed in a 1: 1 mixture of ethanol and water. The combination of nano-lime particles with selected, high quality marbles powders guarantees excellent properties. High capillarity and an excellent water suction capacity are typical. Water uptake and release takes place rapidly and the mortars can take the role of a protection layer.

Characteristic data of the repair mortar are:

Particle size of the constituents:	< 500 µm
Density [g/ cm ³]:	1,79
Colour	white
Porosity [vol.-%]	24-29
Compressive strength [N/mm ²] after 21 days	3
Shrinkage (0,5 cm layer)	0

Application advices

Repair mortars are needed for replacing *mortar* in damaged or severely weathered masonry *mortar* joints. They are applied also for the replacement of lost parts but also for filling of open voids and cracks in mortars, plasters and frescoes. CaLoXiL® Repair mortar has to be stirred well before using. The consistency can be modified by the addition of water or water-ethanol mixtures. The substrate has to be dry, clean and free of loose particles. Dust and oil have to be removed. Pre-treatment with CaLoSiL® E25 or other CaLoSiL® types enhances the adhesion of the formed mass to surrounding surfaces and results in an additional structural consolidation.

The colour as well as the surface texture of the mortars can be adjusted by the addition of pigments based on the demands of the object. It is possible to imitate weathered and discoloured mortar surfaces. CaLoXiL® Repair mortar is fully compatible to the other CaLoXiL® products as well as to the CaLoSiL® and CaSoPaL® materials.

Packaging

CaLoXiL® repair mortar is available in 500 mL, 1 L, 5 L and 10 L containers.

Storage

The mortar has to be stored between +5 °C and +30 °C in a tightly closed container. When CaLoXiL® Repair mortar remains in unopened, original containers, storage for at least one year is possible. When necessary stir the suspension until a homogenous mass is formed.

Safety

CaLoXiL® Repair mortar is strongly alkaline. Ventilate well, avoid breathing vapours. 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 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.

Further information concerning safety during transport, storage and handling as well as for disposal can be found in our latest Material Safety Data Sheet.

Before using in large scale we recommend to treat a small test field with CaLoXiL® Repair mortar in order to find out the most favourable application method and the required volumes.

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® Repair mortar is highly recommended.



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