

Technical Data Sheet

CaLoXiL Repair mortar



Properties

CaLoXiL Repair mortar is a ready to use lime-based mortar (air lime, $\text{Ca}(\text{OH})_2$) with calcium hydroxide nanoparticles (CaLoSiL) as part of the binder. Selected marble powders with defined particle size distribution serve as filler. High capillarity and an excellent water suction capacity are typical. Water uptake and release takes place rapidly. CaLoXiL Repair mortar does not contain synthetic binders or cement.

Particle size of the constituents	<500 μm
<500 μm	1.72 g/cm^3
Colour	white/beige
Water vapour diffusion resistance, μ :	~8
Compressive strength after 28 days	3.0 N/mm^2
Shrinkage (0.5 cm layer):	0
Good substrate adhesion	
High abrasion resistance	

Application

CaLoXiL Repair mortar is used for replacing mortar in damaged or severely weathered masonry mortar joints. Other applications are the replacement of lost parts and the 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/water-ethanol mixtures or marble powders. The substrate has to be dry, clean and free of loose particles. 24 hours before the application of the repair mortar the substrates should be pre-wetted with water. Treated structures have to be wetted carefully up to three days after the use of CaLoXiL Repair mortar.

The colour as well as the surface texture of the mortars can be adjusted by the addition of pigments scale under alkaline conditions. It is possible to imitate weathered and discoloured mortar surfaces.

Form of delivery / Storage

CaLoXiL Repair mortar is available in 0.25 L, 0.5 L, 1 L, 5 L and 10 Liter containers. The mortar has to be stored between +5 °C and +25 °C in tightly closed containers. 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. Avoid any contact with eyes and skin. Use safety glasses and gloves. Immediately rinse off any splashes thoroughly with water. Clean the tools with water after every application. Do not allow to penetrate into the sewage system or soils.

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.

Please read our safety data sheet before use!

The above information has been compiled according to the latest state of development and application technology. Since application and processing are beyond our influence, no liability of the manufacturer can be derived from the contents of this Technical Data Sheet.



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