

Technical Data Sheet

CaLoXiL Injection grout Classic



Properties

CaLoXiL Injection grout classic is a ready to use air lime-based injection mortar with calcium hydroxide nano-particles (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. The injection grout does not contain cement or synthetic binders.

Density	1.72 g/cm ³
Colour	white
Water vapour diffusion resistance μ (Vol.%)	~8
Compressive strength after 28 days	<3 N/mm ²
Shrinkage (0.5 cm layer)	0
Adhesive tensile strength	0.45 N/mm ²
Very good flowability	

Application

The injection grout is water based and has a good flowability which makes it possible to fill small voids and fissures. After hardening, porous masses are formed with high capillarity. All masses are hydrophilic and are able to act as capillary-active material. Another important property is the good adhesion to historic mortar components. The injection grouts are able to adhere single mortar pieces. Pre-wetting of cracks and hollows with water, which should be realised between 12 and 24 hours before the application of the injection grout, is helpful to ensure a deep penetration of the injection mortar.

Form of delivery / Storage

CaLoXiL Injection grout is available in 0.25, 0.5 L, 1 L, 5 L or 10 Liter containers. The injection grout has to be stored between +5 °C and +25 °C in a tightly closed container. When CaLoXiL Injection grout remains in unopened, original containers, storage for one year is possible. When necessary stir the suspension until a homogenous mass is formed.

Safety

CaLoXiL Injection grout 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.

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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 Injection grout 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.

