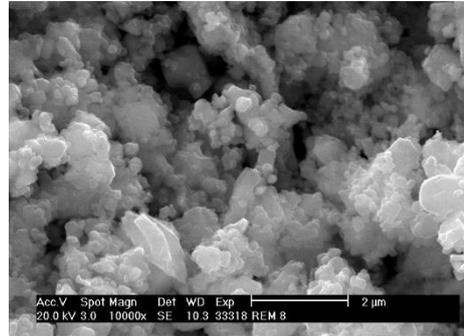


Technical Data Sheet

CaLoSiL[®] micro

Calcium hydroxide
micro-particles



Properties

CaLoSiL[®] micro is characterised by properties which are between the nano-sols (CaLoSiL[®] E, IP or NP) and conventional air lime suspensions. It contains lime hydrate (Ca(OH)₂) particles having sizes between 1 and 15 μm, which are dispersed in ethanol. The calcium hydroxide concentration is 120 g/L.

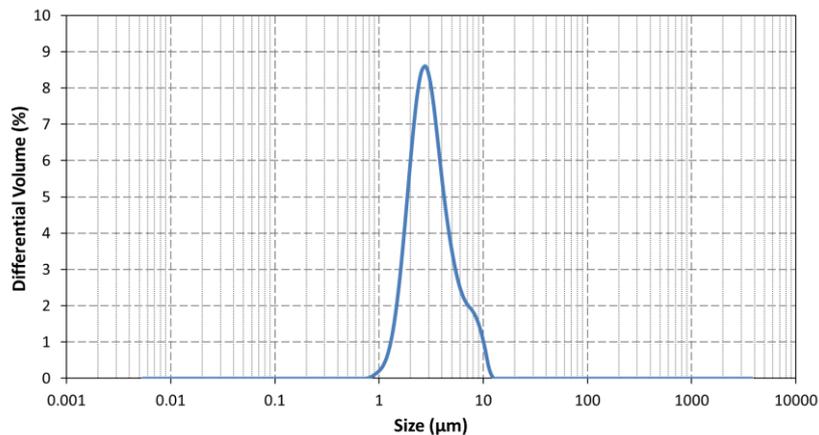


Figure 1: Particle size distribution in CaLoSiL[®] micro

Applications

CaLoSiL[®] micro is a specially designed and produced calcium hydroxide suspension for the strengthening of stone, mortar and plaster. It is used for the consolidation of detached surfaces as well as for filling of coarse cracks, openings and joints.

The suspension has to be stirred before using. The application is possibly by injection or spraying. The addition of stone flour (for example marble, limestone) allows the preparation of special injection grouts and repair mortars. CaLoSiL[®] micro can be mixed with all products of the CaLoSiL[®]-family. Systems are obtained with well-defined particles size distributions.

Packaging

CaLoSiL[®] micro is available in 0.5 L, 1 L and 5 L containers.

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Storage

CaLoSiL[®] micro has to be stored between +5 °C and +25 °C. In unopened, original containers, storage for at least one year is possible. Settled particles can be re-dispersed by shaking the closed bottle or by ultrasonic treatment. The original properties of CaLoSiL[®] micro remain unaffected.

Safety

CaLoSiL[®] micro is flammable/combustible. Keep away from oxidisers, heat, sparks and flames. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use safety glasses and gloves. CaLoSiL[®] micro is strongly alkaline. Do not smoke. Keep container closed. Wash thoroughly after handling. Keep away from sources of ignition. Please store in a cool and dry place in a tightly closed container. Further information concerning safety during transport, storage and handling as well as for disposal and ecology can be found in our latest Material Safety Data Sheet.

Before using in large scale, we recommend to treat a small test field area with CaLoSiL[®] micro 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 Technical Data Sheet. Careful and considered use of CaLoSiL[®] micro is highly recommended.

