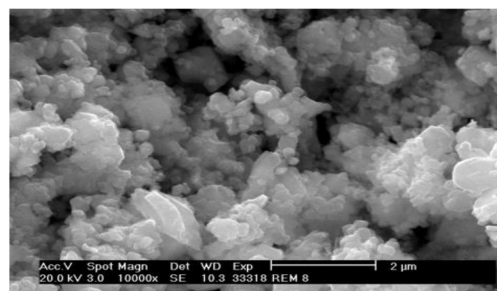


Technical Leaflet



**IBZ-Salzchemie
GmbH & Co. KG**

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 lime hydrate suspensions. It contains lime hydrate ($\text{Ca}(\text{OH})_2$) particles having sizes between 1 and 3 µm, which are dispersed in ethanol. The calcium hydroxide concentration is 120 g/L.

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 500 mL and 1 L and 5 L.

Storage

CaLoSil® *micro* has to be stored between +5 °C and +30 °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. 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 of CaLoSil® *micro*.

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 CaLoSil® *micro* is highly recommended.



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