

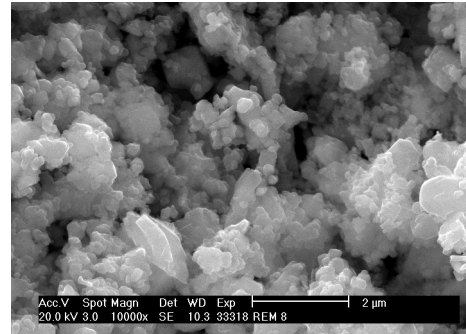


IBZ-Salzchemie
GmbH & Co.KG

Technical Leaflet

CaLoSiL[®]-micro

Calciumhydroxid-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 (Ca(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 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. That allows the creation of systems characterised by a defined particles size distributions.

Retreatment of the areas in questions with CaLoSiL[®] E-25 is recommended. The formed calcium hydroxide particles cover the treated surfaces and enhance the consolidation and strengthening.

Packaging

CaLoSiL[®]-micro is available in 500 mL, 1 Litre and 2.5 Litre containers.

Storage

CaLoSiL[®]-micro has to be stored between + 5 °C and +30 °C. In unopened, original containers, storage for at least three months 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 oxidizers, heat, sparks and flames. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. CaLoSiL[®]-micro reacts strongly alkaline. Do not breathe vapour or mist. Do not smoke. Keep container closed. Use with adequate ventilation. Wash thoroughly

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after handling. Keep away from sources of ignition. Please store in a cool, dry place and 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 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. The application of our products and the work using is beyond the range of our influence. Therefore IBZ-Salzchemie GmbH & Co.KG can take no liability from events that result from the information contained in this leaflet.

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