

Product Information

CaLoSiL[®] Test-Kit

Content

- 100 mL CaLoSiL[®] E25 (lime content 25g/l)
- 100 mL Ethanol
- 2 Glass rings
- 2 Different droppers
- 1 Petri dish
- 10 mL Phenolphthalein solution in spray flask



Use

The Test-Kit is composed for first tests to characterise the action of CaLoSiL[®] E25 on different materials. The results will give an overview about:

- Penetration depth.
- Strengthening of the material.
- White haze formation.
- Rate of carbonation -

The glass rings can be filled with loose, original material. Saturation of the material with CaLoSiL[®]E25 is achieved by dropping it on the surface. Repeated applications are possible after evaporation of the ethanol. The treated substrate should be stored under conditions with relatively high humidity (>75 % RH). The carbonation process can be followed by using the phenolphthalein solution. For that, phenolphthalein has to be sprayed on the surface that shall be characterized. A purple colour will be visible when unreacted calcium hydroxide is present. The sample is then still strongly alkaline (pH > 10) and further carbonation is possible. An option is also the after treatment with silicic acid esters. This can be realized after evaporation of the alcohol. If needed, CaLoSiL[®]E25 can be diluted with ethanol. Dilution with water, however, is possible in limited extent only. The addition of increasing amounts of water results in gel like solutions followed by the flocculation of calcium hydroxide particles. Ethanol or Ethanol-water mixtures can be used also for pre-wetting of the materials to be consolidated.

Safety

CaLoSiL[®] is flammable/combustible. Keep away from oxidizers, heat, sparks and flames. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. CaLoSiL[®]E25 is strongly alkaline. Use safety glasses and gloves. Do not smoke. Keep container closed. Wash thoroughly 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 can be found in our latest Material Safety Data Sheet. Please do not hesitate to contact us for further information or whenever you need any assistance.

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[®] is highly recommended.



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