

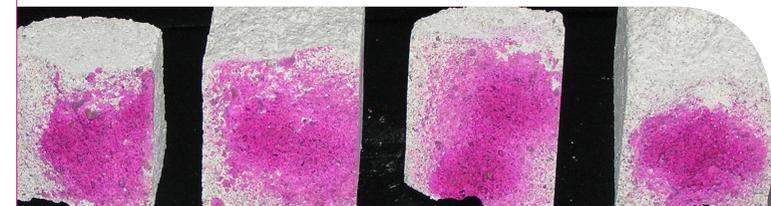


IBZ - Salzchemie

GmbH & Co. KG

APPLICATION SYMPOSIUM

Properties , application and handling
of CaLoSiL®



REGISTRATION VIA POST, FAX, EMAIL



IBZ - Salzchemie GmbH & Co. KG

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NOTES

.....Additional information for registration, request for hotel reservation, etc.....



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TIME TABLE

- 09:30** Opening
- 09:45** Fundamentals of **CaLoSil®**
History, development, production, applications
- 11:00** **CaLoSil®** - stone consolidation by carbonization
Fundamentals, reactions, mechanism
- 11:45** **CaLoSil®** in combination with silic acid esters
Fundamentals, reactions, mechanism
- 12:30** Lunch
- 13:30** Application Techniques
- 14:30** Laboratory tests
Different **CaLoSil®** types can be tested on naturals and artificial stone
- 16:15** Final discussion

CaLoSil® is a new stone, plaster or masonry consolidant based on colloidal calcium hydroxide. Treatment with **CaLoSil®** results, after evaporation of the solvent, in the formation of solid calcium hydroxide. That converts into CaCO_3 (limestone) is formed in a way similar to traditional lime mortars by reaction with atmospheric carbon dioxide. Due to the extremely fine particle size **CaLoSil®** can penetrate deep into stone, masonry or plaster. **CaLoSil®** is available in different product types. They differ in the form of the solvent and the calcium hydroxide concentration. Typical particle sizes are between 50 and 150 nm.

The training course summarizes the development of **CaLoSil®** and gives an overview about the physico-chemical fundamentals of stone consolidation with **CaLoSil®**. The properties of the different **CaLoSil®** types are presented. Rules for the selection of the most favorable product will be discussed as well. Another main subject is the combination of **CaLoSil®** with silicic acid esters. Properties and characteristics of stones treated with **CaLoSil®** and silicic acid esters will be summarized.

The training course offers many possibilities to test **CaLoSil®**. Several laboratory tests will be prepared in which the participants are invited to test handling and application of **CaLoSil®**. The tests include consolidation of mortar, sandstone and plaster. It is also possible to test **CaLoSil®** at own materials.

CaLoSil® COMBINES THE FOLLOWING BENEFITS

- ▶ Consolidation of limestone, marble, plaster and mortar by formation of species-specific fine calcium carbonate crystals.
- ▶ Simple to use and no entry of foreign substances to the fixing material.
- ▶ Neutralization of acidic regions with simultaneous construction of areas which can act as a buffer.

REGISTRATION

User symposium

Properties, application and handling of **CaLoSil®**

Registration deadline is 7 days before the course starts.
Applications will be considered according to the order of receipt.

Wanted Date of Course

Event participant/s

Mr. Mrs.

Title / Profession

Surname

First name

Company

Address

Telephone / Fax

Mail

You can get information about dates of seminars and course fees from the flyer included. If the application will be canceled one week before the seminar starts, you will get money back minus 10% of the course fee for administrative reason. If you cancel later than one week before the course starts there will be no refund.

Date, Sign, Company stamp