



Technical Leaflet

SioXaL



Properties

SioXaL – products are aqueous solutions of silica with different particle sizes, concentrations and charge.

SioXaL A8 anionic silica; 15 % solid content; 8 nm mean particle size

SioXaL A10 anionic silica; 30 % solid content; 10 nm mean particle size

SioXaL A35 anionic silica; 30 % solid content; 35 nm mean particle size

All SioXaL – products are translucent or a little bit cloudy and the consistency is like water.

Working instructions

Because of the chemical stability of silica after drying, SioXaL is a very good combination for the products:

- consolidation of sanding, powder surfaces
- binder in mortars
- filler
- consolidation of loose sediments
- masonry draining
- additive for paints
- manufacture stone replacement masses
- impregnation of stone, mortar, plaster
- concrete waterproofing, concrete coating

The properties as binder and thickener result in higher reliability of the mixed products and better modification of the products regarding the problems at the objects.

Mixed with lime glaze SioXaL creates a more resistant layer against weathering that is in some cases dirt-repellant too.



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An aftertreatment with SiOXaL after nano lime results in higher strengthening effects between the results for nano lime only and the results for nano lime/silicic acid ester. Mixing of nano lime with silica before treatment is also possible but it is important to use silica only with solid contents of more than 30 %. Such applications results not only in very good strength, an protective layer at the surface will also be built. This application is only for strengthening near the surface.

Before using in large scale we recommend to treat a small test field with CaLoSiL® in order to find out the most favourable application method. Follow the instructions given in our Material Safety Sheets and if there are more questions, do not hesitate to contact us.

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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