



## **Product list**

IBZ-Salzchemie GmbH & Co.KG  
Schwarze Kiefern 4  
D-09633 Halsbrücke  
Germany

Tel.: +49 3731 200 155  
Fax: +49 3731 200 156  
e-mail: [bestellung@ibz-freiberg.de](mailto:bestellung@ibz-freiberg.de)  
[www.ibz-freiberg.de](http://www.ibz-freiberg.de)

Product	Application	Order no.	Unit
<b>Cleaning / Dilution / other material</b>			
Ethanol absolut	Pre-treatment/ dilution/ cleaning	2-0-1000	1 litre
Iso-propanol	Pre-treatment/ dilution/ cleaning	3-0-1000	1 litre
1-Propanol	Pre-treatment/ dilution/ cleaning	4-0-1000	1 litre
<b>Stone strengthening with CaLoSiL<sup>®</sup> (- Colloidal calcium hydroxide nano-sols ( particlesize: 150 nm)</b>			
<b>CaLoSiL<sup>®</sup>-E: Colloidal Ca(OH)<sub>2</sub> stable dispersed in ethanol</b>			
E5	Low concentrated product, recommended for the strengthening of fresco, powdering surfaces and pre-treatment of dense stones Contains 5 g/L Ca(OH) <sub>2</sub> , Particle size: 50-250 nm	2-5-500	0,5 litre
		2-5-1000	1 litre
		2-5-5000	5 litre
		2-5-10000	10 litre
E25	Strengthening of porous stones, mortars and plaster Contains 25 g/L Ca(OH) <sub>2</sub> , Particle size: 50-250 nm	2-25-500	0,5 litre
		2-25-1000	1 litre
		2-25-5000	5 litre
		2-25-10000	10 litre
E50	Strengthening of highly porous materials, filling of micro cracks and small voids Contains 50 g/L Ca(OH) <sub>2</sub> , Particle size: 50-250 nm	2-50-500	0,5 litre
		2-50-1000	1 litre
		2-50-5000	5 litre
		2-50-10000	10 litre
<b>CaLoSiL<sup>®</sup>-IP: Colloidal Ca(OH)<sub>2</sub> stable dispersed in iso-propanol (longer time of evaporation)</b>			
IP5	Low concentrated product, recommended for the strengthening of fresco, powdering surfaces, less porous mortars, plaster and stones Contains 5 g/L Ca(OH) <sub>2</sub> , Particle size: 50-250 nm	3-5-500	0,5 litre
		3-5-1000	1 litre
		3-5-5000	5 litre
		3-5-10000	10 litre
IP25	Strengthening of porous stones, mortars and plaster Contains 25 g/L Ca(OH) <sub>2</sub> , Particle size: 50-250 nm	3-25-500	0,5 litre
		3-25-1000	1 litre
		3-25-5000	5 litre
		3-25-10000	10 litre
<b>CaLoSiL<sup>®</sup>-NP: Colloidal Ca(OH)<sub>2</sub> stable dispersed in 1-propanol (long time of evaporation)</b>			
NP5	Low concentrated product, recommended for the strengthening of fresco, powdering surfaces, less porous mortars, plaster and stones Contains 5 g/L Ca(OH) <sub>2</sub> , Particle size: 50-250 nm	4-5-500	0,5 litre
		4-5-1000	1 litre
		4-5-5000	5 litre
		4-5-10000	10 litre
NP25	Strengthening of porous stones, mortars and plaster Contains 25 g/L Ca(OH) <sub>2</sub> , Particle size: 50-250 nm	4-25-500	0,5 litre
		4-25-1000	1 litre
		4-25-5000	5 litre
		4-25-10000	10 litre
<b>CaLoSiL<sup>®</sup> - Special products</b>			
CaLoSiL <sup>®</sup> -grey	No white haze formation, recommended for strengthening of fresco and materials with coloured surfaces Contains 25 g/L Ca(OH) <sub>2</sub> , Particle size: 50-250 nm	5-G-500	0,5 litre
		5-G-1000	1 litre
		5-G-5000	5 litre
CaLoSiL <sup>®</sup> - paste-like	Recommended as binder for special injection grouts and repair mortars; Filling of voids and fractures; contains colloidal Ca(OH) <sub>2</sub> in concentrations of 120 g/L, Particle size: 100 - 400 nm	2-P-100	0,1 litre
		2-P-500	0,5 litre
		2-P-1000	1,0 litre
CaLoSiL <sup>®</sup> - micro	Gluing of fragments, Gluing of scales, Material for the thickening of CaLoSiL <sup>®</sup> ; Particle size: 1 - 3 µm, Concentration: 120 g/L Ca(OH)	2-M-100	0,1 litre
		2-M-500	0,5 litre
		2-M-1000	1,0 litre
<b>CaLoSiL<sup>®</sup> Test - Sets</b>			
Sample box 1 "Fresco"	100 mL of E5, IP5, E25 grey and 20 ml CaLoSiL <sup>®</sup> paste like for tests on powdering surfaces and for reattachment of layers	M-M-320	3x0,1 litre & 1x0,02 litre
Sample box 2 "Product line"	100 mL of E25, E50, IP25, NP25 for tests to select the most suitable consolidant	M-S- 400 M-S-2000	each 0,1 litre each 0,5 litre
Test-Kit	Test Kit containing: 2 culture dishes, 2 plexiglas rings, 2 droppers, 10 mL spray bottle phenolphthaleine, 0,1L E25, 0,1L Ethanol	TK-200	
Peeling-Test-Set	Test-kit for the characterisation of powdering surfaces	PTS-10	10 Strips

\*please ask for other trading units and concentrations

Product	Application	Order no.	Unit
<b>CaSoPaL® Elimination of algae, mildew and other microbiology growth</b>			
<b>CaSoPaL® plus</b>	Elimination of algae, mildew and other microbiology growth in combination with strengthening of porous undergrounds near the surface; (available also as 500 ml spray bottle))	S-P-500	0,5 litre
		S-P-1000	1 litre
		S-P-5000	5 litre
		S-P-10000	10 litre
<b>CaSoPaL® Anti-mold paint</b>	White lime paint for aftertreatment of areas disinfected with CaSoPaL® plus	S-F-500	0,5 litre
		S-F-1000	1 litre
<b>CaSoPaL® Lime-paint "Classic"</b>	White lime paint for aftertreatment of areas disinfected with CaSoPaL® plus	S-K-5000	5 litre
		S-K-10000	10 litre
<b>CaSoPaL® Lime-paint „Brilliant“</b>	White lime paint for aftertreatment of areas disinfected with CaSoPaL® plus, with titanium dioxide	S-B-500	0,5 litre
		S-B-1000	1 litre
		S-B-5000	5 litre
		S-B-10000	10 litre
<b>CaSoPaL® Set</b>	0,5 litre of CaSoPaL® plus and 0,5 litre of CaSoPaL® Anti-mold paint (incl. paint roller, disposable gloves, dust mask, safety glasses)	Set	2 x 0,5 litre

### Other products

<b>DiLoCarB</b>	Additive for a faster carbonisation of lime mortar	D-250	0,25 litre
<b>SioXaL A8</b>	Aqueous, anionic colloidal silica solution for sealing of surfaces and use as thickener, filler or binder, mean SiO <sub>2</sub> particle size: 8 nm, Concentration: 15 wt.-% SiO <sub>2</sub>	SA-8- 500	0,5 litre
		SA-8-1000	1,0 litre
<b>SioXaL A10</b>	Aqueous, anionic colloidal silica solution for sealing of surfaces and use as thickener, filler or binder, mean SiO <sub>2</sub> particle size: 10 nm, Concentration: 30 wt.-% SiO <sub>2</sub>	SA-15- 500	0,5 litre
		SA-15-1000	1,0 litre
<b>SioXaL A35</b>	Aqueous, anionic colloidal silica solution for the sealing of surfaces and use as ; thickener, filler or binder, mean SiO <sub>2</sub> particle size: 35 nm, Concentration:30 wt.-% SiO <sub>2</sub>	SA-35- 500	0,5 litre
		SA-35-1000	1,0 litre

### Fillers: Marble powder white

Particle size			
<b>1 – 5 µm</b>	Filler for CaLoSiL®, starting material for injection grouts and fine mortars	MW-1-5- 100	0,1 kg
		MW-1-5- 500	0,5 kg
		MW-1-5-1000	1,0 kg
<b>1 – 10 µm</b>	Filler for CaLoSiL®, starting material for injection grouts and fine mortars	MW-1-10- 100	0,1 kg
		MW-1-10- 500	0,5 kg
		MW-1-10-1000	1,0 kg
<b>2 – 35 µm</b>	Filler for CaLoSiL®, starting material for injection grouts and fine mortars	MW-2-35- 100	0,1 kg
		MW-2-35- 500	0,5 kg
		MW-2-35-1000	1 kg
<b>5 – 25 µm</b>	Filler for CaLoSiL®, starting material for injection grouts and fine mortars	MW-5-25- 100	0,1 kg
		MW-5-25- 500	0,5 kg
		MW-5-25-1000	1 kg
<b>10 – 90 µm</b>	Filler for CaLoSiL®, starting material for injection grouts and fine mortars	MW-10-90- 100	0,1 kg
		MW-10-90- 500	0,5 kg
		MW-10-90-1000	1 kg
<b>20 – 200 µm</b>	Filler for CaLoSiL®, starting material for injection grouts and fine mortars	MW-20-200- 100	0,1 kg
		MW-20-200- 500	0,5 kg
		MW-20-200-1000	1 kg

Product	Application	Order no.	Unit
<b>CaLoXiL ...after the Stone strengthening</b>			
<b>CaLoXiL- Injection grout extrafine</b>	Highly flowable injection grout for filling of cracks and voids, as protective coat for reinforcement, Ethanol based, water reduced	IM-WF-100	0,1 litre
		IM-WF-500	0,5 litre
		IM-WF-1000	1,0 litre
<b>CaLoXiL- Injection grout classic</b>	Highly flowable injection grout for filling of cracks and voids, as protective coat for reinforcement, water based	IM-KL-100	0,1 litre
		IM-KL-500	0,5 litre
		IM-KL-1000	1,0 litre
<b>CaLoXiL- Repair mortar</b>	Replacement of detachments, filling of larger void and fracture, remodelling of lost pieces	RM-KL-500	0,5 litre
		RM-KL-1000	1,0 litre
		RM-KL-5000	5,0 litre
<b>CaLoXiL- Lime filler fine</b>	is a ready to use material for levelling and smoothing rough substrates, repairing missing areas and filling cracks and voids	KP-F-500	0,5 litre
		KP-F-1000	1,0 litre
		KP-F-5000	5,0 litre
<b>CaLoXiL- Lime filler extra fine</b>	is a ready to use material for levelling and smoothing rough substrates, repairing missing areas and filling cracks and voids	KP-EF-500	0,5 litre
		KP-EF-1000	1,0 litre
		KP-EF-5000	5,0 litre
<b>CaLoXiL- Lime slurry fine</b>	Lime slurry fine contains as binder a synergistic mixture of conventional white lime hydrate and nano-lime particles from CaLoSiL <sup>®</sup>	KS-F-500	0,5 litre
		KS-F-1000	1,0 litre
		KS-F-5000	5,0 litre
<b>CaLoXiL- Lime slurry coarse</b>	Lime slurry coarse contains as binder a synergistic mixture of conventional white lime hydrate and nano-lime particles from CaLoSiL <sup>®</sup>	KS-G-500	0,5 litre
		KS-G-1000	1,0 litre
		KS-G-5000	5,0 litre
<b>CaLoXiL Lime varnish (glaze)</b>	Ca(OH) <sub>2</sub> based varnish (glaze) for surface modifications and pretreatment (highly diluted special lime based paint).	KL-500	0,5 litre
		KL-1000	1,0 litre
		KL-5000	5,0 litre
<b>CaLoXiL Lime binder</b>	Low viscosity binder on the basis of calcium hydroxide and nanolime for the preparation of mortars and injection grouts	BIMI-500	0,5 litre
		BIMI-1000	1,0 litre
		BIMI-5000	5,0 litre

*All CaLoXiL Products also available in 250 ml containers!*

## Additional Services

### Pre-investigations

Stone, mortar plaster analysis, Selection of the best consolidant, Test of different product combinations; On-site tests to select the most favourable stone consolidant and the best application technique

Price on demand

### Sample Characterisation

Determination of compressive and tensile bending strength in accordance with DIN

Price on demand

### Salt Analysis

Determination of the salt content of stones, plaster and mortars

Price on demand

### Thermal Analysis

Characterisation of the thermal decomposition of solids up to 1500 °C

Price on demand

### Training Courses

Training courses concerning use and application of colloidal calcium hydroxide sols.

Price and dates on demand

**\*All prices do not include VAT and shipping**

Please ask for the prices of larger quantities / units.

On wished we write a specific quotation including VAT and shipping.