

WATERGLASS

The pure mineral binder.

PRODUCT DESCRIPTION.

WATERGLASS is a waterbased binder of potassium silicates which is free from organic additives and biocides. WATERGLASS is used as pretreatment before painting with KRISTALLAT and to strengthening and dustbinding of plaster, concrete, brick and other mineralbased substrates.

APPLICATION AREAS.

	Pre-treatment to KRISTALLAT or SILKAT painting.	Dustbinding sealing and strengthening	Protect against growth fungus and algae.	Restore Ph in acidified plaster, concrete and brick.	Wet grinding of concrete floors.	Reduce staining from coffee, wine etc.	Notes.
Exterior Lime/cement plaster facades.	X	X	X	X			
Interior lime/cement plaster walls.	X	X					
Exterior clay plaster facades.	X	X	X	X			
Interior clay plaster walls.	X	X					
Exterior burned brick facades.	X	X	X	X			
Interior burned clay walls.	X	X					
Exterior concrete facades.	X	X	X	X			
Interior concrete walls.	X	X					
Exterior reinforced cement tile facades.	X	X	X	X			
Exterior concrete floors.							See PRIMER
Interior concrete floors.		X			X	See PRIMER	
Roof tiles concrete, burned clay tiles, reinforced cement tiles.		X WATERGLASS +PRIMER	X WATERGLASS +PRIMER	X			

WATERGLASS has many application areas:

- a) Bind loose particles in plaster, concrete and brick facades before painting with KRISTALLAT silicate paint. Especially important for new plaster and substrates with lime residues.
- b) Reduce and equalize (when different plaster or concrete materials has been used) capillary suction in the substrates before painting with KRISTALLAT silicate paint. Will reduce risk of mottling and

chalking.

- c) Bind dust in concrete floors without reducing the water vapor diffusion ability.
- d) Restore and protect unpainted facades of plaster, concrete and brick against acidification, cracking and growth of fungus and algae. The Ph value will be increased and the substrate will be more resistant both chemically and mechanically.
- f) Treatment of roof tiles like burned clay, concrete and reinforced cement against degradation and growth of microorganisms.
- g) Protect the natural colors of the plaster-, the concrete- and the brickfacades.
- h) WATERGLASS is used to dilute ALABASTER silicate paints.

PRODUCT PROPERTIES.

WATERGLASS is silicized, by carbonatization with carbon dioxide in the air and the substrate to a hard and sustainable surface. And without reducing the gas diffusion openness. The treated substrate is breathing water vapor but repels water drops more effectively.

- Is silicized with the substrate.
- Extremely weather proof.
- Protects against acid degradation.
- Not film forming.
- High water vapor diffusion openness.
- Not flammable.
- Absolutely UV stable.
- Protects against growth of fungus and algae.
- High in Ph-value.
- Resistant against organic solvents.
- Electrically non static. Meaning substrates treated with WATERGLASS and/or painted with silicate paint will not easily attract dust and dirt.
- Environmentally friendly- no solvents or biocides.

INSTRUCTIONS.

Preparations of the substrate.

The substrate must be dry, clean and have capillary suction capacity. No fat, oil or plastic residues. Old film forming paints must be mechanically removed. Surface with lime residues should be cleaned with a hard type of brush. Loose areas and particles should be removed. Major holes and cracks can be renovated with a mixture of KRISTALLAT and fillers like crushed marble.

Use of WATERGLASS.

Pre-treatment before painting with KRISTALLAT.

WATERGLASS (diluted 1:1 with water) is applied with brush, roller or spraying device and until surface is saturated. For substrates with very high water absorbency like aerated concrete, lime plasters and brick PRIMER is recommended as more effective.

Treatment of concrete floors.

WATERGLASS (not diluted) is applied with a scraper, roller or brush until surface is saturated. Remove surplus before drying. For dust binding is normally one treatment sufficient. To obtain water repellency 2 or more treatments are needed. PRIMER is more effective to gain water repellency.

Renovation of roof tiles (Concrete, burned clay and reinforced cement).

Remove dirt and organic material. Treat first with undiluted WATERGLASS and then with PRIMER (diluted 1:1 with water).

To dilute ALABASTER silicate paints:

Use undiluted WATERGLASS.

Conditions.

Air and substrate temperatures $> + 5^{\circ}\text{C}$ and relative humidity of $< 80\%$. Do not apply in direct sunlight or on sun heated surfaces. Protect coated surfaces from rain and strong sun light during application.

Drying time.

Drying time is 8 hours between the coats.

Consumption. .

0,15 - 0,25 liter /m² depending substrate structure and pretreatment.

Cleaning of tools.

Clean tools directly after use in water.

PRODUCT SPECIFICATIONES.


Waterbased. Bright colored potassium silicate.

Density: 1,17 g/cm³

Ph-value: 11.

WATERGLASS is delivered in plastic containers of 9 and 3 liters. Unbroken container has a shelf life of 2 years. Must be protected from freezing.

SECURITY and ENVIRONMENT

<p>Warning </p> <p>Irritates the skin Causes serious eye damage.</p> <p>Wash your hands thoroughly after use.</p> <p>Wear protective gloves, eye protection and protective clothes.</p> <p>BY SKINCONTACT: Wash with lots of soap and water.</p> <p>BY EYECONTACT: Rinse carefully with water for several minutes. Remove contact lenses if possible. Continue rinsing.</p> <p>Contact immediately POISONINFORMATION CENTER or medical doctor.</p>
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SILIKAT, KRISTALLAT, WATERGLASS and PRIMER react with glass so windows and ceramics must be protected.

Residues and containers are deposited at local environment- and recovery site.

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