



# Lithium Waterglass

Productinformation Article no. 605

09.11.2022

## ■ General

Silicifying binding agent for plasters in the interior and in the exterior. Application on clayplasters only in the interior.

Lithium Waterglass has an excellent hardening effect without reducing the diffusibility of the subsurface.

Can be coated with all KREIDEZEIT wall paints and plasters, usually additionally primed with Casein Primer (Art. 145) or Vega Primer (Art. 2104).

Lithium Waterglass has a mould resistant effect, is diffusible, non-yellowing and free of solvents, organic binders / synthetic resins.

## ■ Uses

Suitable for use on untreated mineral plasters, concrete, stone and masonry.

## ■ Properties

- good penetration properties
- diffusible
- non-yellowing
- prevents microbial infestation and fungal growth in the medium term
- alkaline (pH 12)
- specific density 1,18
- water and acid resistant
- non-combustible
- easy to process
- can be diluted with water in any ratio
- biocide-free
- vegan

## ■ Composition (Full Declaration)

Water, silicon dioxide, lithium oxide.

## ■ Suitable Tools

Quality paint brushes and airless spray guns.

Recommended from the Kreidezeit range:

Facade brush (Article no. P 6080)

Lime brush (Article no. P 6082)

## ■ Test Surface

**Before any large-area application, the suitability of Lithium Waterglass for the respective application and substrate must be checked by the processor by applying test surfaces !**

## ■ Substrate requirements

The substrate must be **absorbent**, structurally sound, clean, dry, solid, non-greasy and free from colouring and permeating ingredients.

## ■ Preparing the Substrate

Time to wait until application on fresh lime plaster: at least 8 weeks.

- Carefully cover all surfaces not to be painted, especially glass, clinker, tiles, metal, wood.
- Thoroughly remove glue bound paints and chalking or non-load-bearing old coats.
- Thoroughly wash off wallpaper glue residues from the substrate.
- Remove dust from surfaces, sweep off sanding surfaces.
- Check old coatings for good adhesion and remove if necessary.
- Remove binder deposits and sintered skin from plaster surfaces. Remove formwork oil residues on concrete. Etch fresh calcareous plasters.
- clean mould-infested mineral substrates with soda lye

## ■ Dilution

Before processing, lithium water glass must be diluted with water in a ratio of at least 1:1. Stronger dilutions may be necessary. Do not use undiluted !

## ■ Application

Application and drying temperature: between 5 and 30 °C.

## ■ Transparent hardening of plasters:

Dilute lithium water glass with water in a ratio of at least 1:1.

Application by painting. Do not roll!

It is essential to apply from bottom to top to avoid runners.

Make sure that the water glass solution penetrates completely, otherwise shiny areas may remain. Usually a colour brightening occurs after drying. In some cases, a whitish-cloudy coating result is possible.

## ■ Drying times at normal climate

The paint becomes dust-dry after 2-3 hours. Additional coats can be applied after at least 12 hours.

## ■ Application rates

On plaster (dilution 1:1) :

Depending on the absorbency of the substrate

approx. 0.1 - 0.2 l / m<sup>2</sup>

Accurate consumption values to be determined at site.

## ■ Cleaning the Tools

Immediately after use with water. Store tools in water during work breaks.

## ■ Container sizes

	Content	Range
Article no. 605.0	250 ml	2,5 - 5 m <sup>2</sup>
Article no. 605.2	1 l	10 - 20 m <sup>2</sup>
Article no. 605.3	5 l	50 - 100 m <sup>2</sup>

Please refer to the valid price list for product prices.



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## ■ Storage

Stored frost-free and tightly sealed, lithium water glass has a shelf life of at least 3 years. Do not store in galvanized or aluminium containers.

## ■ Disposing Leftover Product

Do not put product residues into the waste water, but store them in an airtight container and use them later. Dried product residues can be added to household waste. Place completely emptied containers in the recyclables collection.

Observe current official regulations for the disposal of paint and paint residues.

## ■ EU VOC Value acc. to 2004/42/EC

VOC limit / Max. VOC content (cat. A/h): 30 g/l (2010),  
Product contains max. 1 g/l VOC.

## ■ Warning

The product is alkaline. Wear safety glasses and protective gloves during application. Protect all other surfaces against paint splashes (especially glass, brick, tiles, metal parts and oiled/varnished wood)! Paint splashes must be removed immediately using plenty of water (risk of irreversible stains, including on glass lenses).

In case of skin contact: Rinse with plenty of water.

If skin irritation persists, seek medical attention.

In case of eye contact: Hold the eyelids open and rinse eyes under running water for several minutes and seek medical attention. Pay attention to possible natural substance allergies. The natural raw materials used can give off a typical product odour! Keep out of reach of children!



**Danger**

## ■ Hazard Statements

- H315 – Causes skin irritation.
- H319 – Causes serious eye irritation.

## ■ Precautionary Statements

- P280 – Wear protective gloves/protective clothing/eye protection/face protection.
- P321 – Specific treatment (see ... on this label).
- P302 + P352 – IF ON SKIN: Wash with plenty of soap and water.
- P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P332 + P313 – If skin irritation occurs: Get medical advice/attention.
- P337 + P313 – If eye irritation persists: Get medical advice/attention.
- P362 – Take off contaminated clothing and wash before reuse.

*The information above was determined based on our most recent experiences. Due to processing methods and environmental influences, as well as the varying nature of the substrates, liability for the general validity of the individual recommendations is excluded. Users must test the product prior to application to ensure it is fit for the designated purpose (sample coating).*

*This document is no longer valid if a new version is published or the product is modified.*

*For the latest product information, please contact Kreidezeit directly or visit our website at [www.kreidezeit.de](http://www.kreidezeit.de).*