

31402 Lithium Waterglass

Application:

Lithium waterglass is used as solidifying agent for natural and artificial stone plasters and mortars.

Employment:	Dilute at least 1:1 with water. Lithium waterglass can be applied by soaking, painting, spraying, flooding or injecting. Should several coatings be required, a waiting time of 6 to 12 hours should be followed.
Working temperature:	Lithium waterglass is sensitive to frost. Do not use below +5°C and not warmer than +30°C.
Safety measures	Safety glasses have to be used when applying lithium waterglass. Should nevertheless eye contact occur, then rinse the affected eye immediately with plenty of water and seek medical attention.
Handling / Storage:	Do not handle nor store the product in aluminum or zinc coated containers. Product has a shelf life of at least 12 months when stored in the tightly closed original container.

Specification:

Solid content:	approx. 27.0 %
Density (20°C)	approx. 1.26 g/cm ³
pH Value:	approx. 10.9
Viscosity (20°C)	approx. 20 mPa.s

SiO ₂	22.7 weight-%
Li ₂ O	4.5 weight-%

Properties:

- Aqueous inorganic solution with minor amounts of alkali.
- The reaction products in the substrate are not water soluble.
- The reaction products are stable against acids.
- There is no scum development.
- Good shelf life.
- Solvent-free.
- Not combustible.
- Heat resistant.
- Not susceptible to microbial infestation.

Hazard Designation:

See Material Safety Data Sheet