



# Waterglass Primer & Consolidant for Masonry

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## Technical Data Sheet

Primer-Binder-Fixative

Last Modified: Jul 21, 2015

### Properties

Ecologic™ Waterglass Primer & Consolidant is a clear primer, conditioner, and thinner for silicate dispersion paints. It is vapor permeable and helps to balance the surface absorbency and to stabilize old lime & cement plaster, natural sandstone or concrete.

Ecologic™ Potassium Silicate Paint Dispersion Paint can be used on most rigid and absorbent exterior and interior wall surfaces. Ideal are mineral-based surfaces such as concrete, lime & cement plaster (stucco), brick, stone, or old powdery stucco, if it has been solidified by a mineralizing coat of Ecologic™ Waterglass Primer & Consolidant.

### *Not suitable for:*

*Wood (not stable), plastic, metal (non-absorbent), floors (mechanical abrasion) and gypsum plaster (not chemically neutral).*

### Where to use it

Ecologic™ Waterglass Primer & Consolidant is used mainly as a conditioning base coat prior to Silicate Dispersion Paint coats or as a thinner for all Silicate Mineral Paint products.

- Use Ecologic™ Waterglass Primer & Consolidant to stabilize any mineral surface that has loose and powdery particles or to condition surfaces that are highly absorbent or unevenly absorbent.
- Use Ecologic™ Waterglass Primer & Consolidant to condition new drywall before using pigmented silicate dispersion paint.

### Color

Milky white, dries clear (test before major usage on experimental applications)

### Coverage

Approx. 240 sq.ft/gallon (can vary substantially depending on surface type)

### Drying Time

Depending on the temperature and the relative humidity, dry to touch after approx. 1 hr, but allow at least 6 – 8 hours for drying between coats.

### Disclaimer:

This technical sheet is given in good faith to help you to achieve the desired results. However, the user is responsible for testing the product on the intended surface to ensure that it is suitable for the specific requirement, therefore NO LEGAL LIABILITY can be based on this sheet's content. The manufacturer's liability is limited to the replacement of faulty product.



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### Application

Stir well before use. Do not use if the working temperature is below 41°F (5°C) or above 113°F (45°C). As a primer-conditioner to fix loose & powdery surfaces: Apply with a brush, sprayer, or a roller. Apply an even coat and let it absorb into the surface. For color wash/glazing: Apply desired number of coats as per design in selected color shades.

Cleaning	Wash tools with warm water.
Storage	Keep containers tightly sealed in a cool, dry, and frost free-place. Shelf life is min. 2 years in unopened containers @ temperatures between 41°F (5°C) and 113°F (45°C).
Safety	Keep containers sealed and out of the reach of children. Ecologic™ Waterglass Primer & Consolidant is biodegradable. DO NOT empty into drains or water sources, but let dry and discard solid leftover with regular garbage. Use goggles & protective gear when working overhead.
Ingredients	Water, potassium silicate, pure acrylate stabilizer, ammonium solution, tenside

### General Preparation

**Surfaces must be rigid & absorbent, dry, clean, and free of dust, oily residues and chemically neutral or alkaline.** Old coats of latex or alkyd paints must be removed, since they inhibit penetration of the silicate binder into the substrate and vapor-permeability. Flaking or peeling paints must be removed completely. Carefully protect all adjacent glass, metal, ceramic, etc against splatters. Remove unavoidable splatters immediately with water.

#### **Note:**

*Silicate Paint products are slightly alkaline. (pH = 8.5 – 9.5)*

### **Old Exterior Lime & Cement, Stucco, and highly absorbent Mineral Surfaces**

Remove loose particles, solidify remaining semi-loose mineral particles from mortar plaster, adobe, concrete, or unglazed bricks with 1 – 2 coats (as needed) of Ecologic™ Waterglass Primer & Consolidant straight or with a 1<sup>st</sup> coat prepared out of Ecologic™ Potassium Silicate and up to 20% Ecologic™ Waterglass Primer & Consolidant.

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### **New Exterior Concrete, Mortar, Stucco, etc.**

Make sure surfaces are fully cured, i.e. min. 30 days old at time of painting. Remove or neutralize any oily residues such as forms, release agents, etc.

Apply 1 Primer coat of Ecologic™ Potassium Silicate diluted with 10% Ecologic™ Waterglass Primer & Consolidant plus two coats of Ecologic™ Potassium Silicate.

### **Proper surface preparation is important for proper product performance:**

- The substrate must be chemically neutral or alkaline, free of dust and fatty or other separating substances. If necessary or as a precaution, power-wash with TSP solution.
- Loose or powdery particles from weathered mineral surfaces must be removed or stabilized with 1 coat of Ecologic™ Waterglass Primer & Consolidant or a 1<sup>st</sup> coat made of Ecologic™ Potassium Silicate Paint diluted with up to 10% of Ecologic™ Waterglass Primer & Consolidant.
- Old paint coats that restrict the surface absorbency must be removed, i.e. old glossy latex and alkyd paints have to go ideally @ 80-100%. Old Lime paints can be compatible but should be checked for adherence. Very absorbent surfaces must be primed & saturated with 1 coat of Ecologic™ Waterglass Primer & Consolidant.
- It is very important to only apply one flooded coat to the friable masonry after fully masking off and protecting all glass or other absorptive masonry surfaces not intended to be treated. It is critical to blot up any puddles of material within the treatment using a clean cloth rag. If this is not done then Ecologic™ Waterglass Primer and Consolidant can turn white on the surface and permanently discolor the surface.
- If whiteness begins to appear within 2 hours of application it should be scrubbed and rinsed off several times before it cures the same day. Never apply more than one flooded coat to absorptive or friable masonry because the Ecologic™ Waterglass Primer is like “liquid stone” and if there is little absorption remaining due to the first cured treatment, a subsequent treatment will have no place to absorb into, sit on the surface, and turn white permanently.
- Ecologic™ Waterglass Primer should cure for 48 hours prior to any appropriate repair materials to be placed over the treated masonry.

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