



Colorwash Stain for Masonry

Technical Data Sheet

Interior & Exterior Silicate Dispersion
Paints & Stains for Concrete, Stone, Bricks, Concrete Block,
Lime and Cement Mortar, Plaster, and Drywall

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Last Modified: Jul 21, 2015

Properties

Ecologic™ Colorwash Stain is a highly durable Silicate Dispersion Stain for interior and exterior use. It is breathable, anti-microbial, mildew resistant, non-combustible, flame retardant, washable & bonds by soaking into the surface. Cures by petrifying and molecularly bonding to masonry substrates.

Ecologic™ Colorwash Stain is 96% mineral-sourced in a water-base. It is odorless within hours (zero VOCs) and displays all the properties of natural stone (i.e, it is water-vapor permeable.) It does not blister or peel, is water-repellent, and has a life expectancy of 20 plus years.

Not suitable for:

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

Where to use it

Ecologic™ Colorwash Silicate Dispersion Stain can be used on rigid, absorbent, mineral-based, chemically neutral wall surfaces. Ideal are mineral-based surfaces such as concrete, lime & cement plaster (stucco), unglazed brickwork and even old powdery stucco after it has been solidified by a mineralizing coat of Ecologic™ Waterglass Primer & Consolidant.

Color

White and 11 full-tone colors, all colors come as solid stains, but can be diluted down with Ecologic™ Colorwash Stain clear to a semi-transparent or fully transparent coating. The color brilliance of transparent stains can be increased by painting them over a light undercoat of Ecologic™ Potassium Silicate Paint. Custom tinting is available for minimum order quantities.

Coverage

Approx. 320 – 360 sq ft. per 1 gallon (4 liter) (varies depending on surface type, pretreatment, and dilution)

Drying Time

Depending on temperature and relative humidity, dry to touch after approx. 1 – 2 hrs, but allow at least 12 hours for thorough drying before re-coating.

Disclaimer:

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Application

Stir well before use. Do not use if the working (air + substrate) temperature is below 41°F (5°C) or above 100.4°F (38°C). Apply by brush, roller, or airless sprayer depending on surface roughness.

Cleaning	Wash tools with warm water and soap immediately after use.
Storage	Keep containers tightly sealed in a cool, dry, and frost-free place. Shelf life is 24 months in unopened containers.
Safety	Keep containers tightly sealed. Keep out of reach of children. Do not empty into drains or water sources, but let dry and discard solid leftovers with regular garbage. Use goggles and protective gear when working over-head.
Ingredients	Water, potassium silicate, earthen & mineral pigments, pure acrylate stabilizer, ammonium solution, polysaccharide, cellulose, sodium-phosphonate, fatty acid defoamer, hydrophobing agent.

General Preparation

Surfaces must be rigid, absorbent, and chemically neutral or alkaline, dry, clean, and free of dust, oily residues, and grease. Remove any loose plaster and make good with alkaline absorbent filler. Old coats of latex and alkyd paints must be removed completely in order to restore surface absorbency. Protect adjacent glass, metal, ceramic, etc against splatters and remove unavoidable splatters immediately with water.

Note:

Silicate Paint products are slightly alkaline. (pH = 8.5 – 9.0)

Old Lime & Cement Stucco, highly absorbent Mineral Surfaces – Outdoors

Solidify powdery, sanding mineral surfaces such as mortar, stucco, adobe, concrete, or old unglazed brickwork with one conditioning coat of Ecologic™ Waterglass straight. Ecologic™ Waterglass is available as an opaque to semi-transparent coating. Details to be discussed with our sales staff.

Concrete, Mortar, Stucco, etc. – Outdoors

On new concrete etc. make sure surfaces are fully cured, i.e. min. 30 days old at time of painting. Remove any oily residues such as form release agents, etc.

On old cleaned / restored concrete use 1 coat diluted with up to 10% Ecologic™ Waterglass plus 1 coat undiluted.

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Tinting Ecologic™ Colorwash Stain

In small quantities: Full tone Ecologic™ Colorwash Stain can be mixed to create different shades. For added depth of color and less transparency they can be added by creating a paste with Ecologic™ Waterglass and thoroughly mixing.

To increase transparency, add Colorwash Clear (00). Pigment content should not exceed 15% by weight. For more brilliant color shades use semi-transparent tinted Ecologic™ Colorwash Stain over a white base of Ecologic™ Potassium Silicate for both indoor and outdoor applications

In large quantities: Custom-tinting is available with a minimum volume requirement.

Mix thoroughly with an electric drill mixer (2500 RPM) or equivalent. Do not use other manufacturers' tints or pigments with Silicate Paints, since they may be silicate-resistant, or not sufficiently lightfast.

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