

Technical Datasheet

SILICATO



Product Code: 75362 Waterproof Silicate Paint/ Specialty

DESCRIPTION

Silicato is a mineral paint formulated using potassium silicate binder, pure inorganic fillers and natural earth oxides producing a lightfast, breathable and extremely durable mineral matt surface finish. Silicato is inherently compatible with concrete substrates and forms a strong permanent chemical bond between the paint and concrete surface. Formulated according to EU/DIN specification 18363. Resistant to blistering, mold formation, and dirt in industrial environments. Ideal for the protection and restoration of old monuments and historical buildings.

USE: INTERIOR - EXTERIOR

Used to protect concrete surfaces on exterior facades and interior concrete surfaces with a protective action providing protection from water, weathering, peeling and blistering by silicification and protection from chlorides.

Especially suitable for mineral surfaces, such as all types of plaster, renders, concrete, stone walls, limestone sandstone, etc. in all types of homes, schools, garages, kindergartens, public buildings, as well as for the care and restoration of monuments and historic buildings.

It is recommended to use Mineral Primer (Code 75.302) to create a fully compatible high permeability system.

PROPERTIES

- Mineral protection for concrete
- High-level whiteness
- Consolidation of friable concrete surfaces
- Resistant to blistering, cracking and peeling due to formidable permeability to water vapors and absence of surface tension.
- Resistant to the formation of mould, fungal growth and micro-organisms
- Protects and consolidates porous mineral surfaces
- Prevents penetration of dirt, chloride salts and other pollutants.
- Fire retardant
- Formulated according to German standard DIN 18363
- High resistance against weathering and atmospheric pollutants
- Enhanced water-proofing and water vapor diffusion
- Effective against concrete decay
- Light-fast/Colourfast and UV stable
- Mineral matt appearance

CERTIFICATIONS

- Reaction to fire: Euroclass B-s1,d0. UNE 13501-1
- EPD (Environmental Product Declaration)
- French A+ Clean Interior Environment
- German AgBB test scheme for product emissions - VOC

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Finish: Matt

Colour: JUNO Façade Color Chart

Viscosity: Minimum 60 P S/FR1007

Density: 1,45 ± 0,05 g/cc S/FR1001

Drying: Touch dry in 2-4 hours

Minimum repaint time: 12 hours

Maximum repaint time: Unlimited

Thinner: Water

Practical coverage: 8-10 m²/L (per coat)

Average observed values depending on substrate texture and absorption.

Flash Point: Not flammable

pH: 11 - 13 S/FR1011

VOC Content: Maximum 30 g/l

75362 WHITE / BASE P



Format: 15 L

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SURFACE PREPARATION

NEW UNTREATED SURFACES. Surfaces must be clean and completely dry. Any loose, flaking or peeling and non-consolidated lime residues/dust, saltpeter, fungus, dirt etc. must be removed.

A proper cleaning must be carried out before application of paint system.

In very absorbent surfaces, apply a first coat of **Mineral Primer (Code 75.302)**, to ensure proper adhesion and sealing of the surfaces before applying the topcoats. Once dry (between 12-24 h), apply at least two coats of **Silicato**.

PREPAINTED SURFACES. Any old paint must be removed completely to ensure total contact between Silicato and the substrate, and to favour its reaction, bonding and consolidation.

PATHOLOGIES

Mould contamination. Wash stains thoroughly using **Junoclean (Prod.Code 760.180)**. Rinse with clean water and leave to dry completely. Use paints with anti-mould agent or add JUNO Antimould additive - **Misky-Misky (Prod. Code 79.597)**.

Salt Efflorescence (Saltpeter). Brush vigorously, wash and neutralize with a chloridic acid solution or zinch sulphate 10% mixed with water. Rinse with clean water and leave to dry completely.

CONSEJOS DE APLICACIÓN

Stir paint until complete homogenization. Apply on to consistent clean surfaces, free from efflorescence (saltpeter) and mould-contamination. Dilute the product depending on surface porosity and surface condition.

ENVIRONMENTAL CONDITION. Do not apply at temperatures below 5°C.

Painting on excessively warm surfaces must also be avoided. Surface temperature must be at least 3°C above dew point. Relative humidity must not exceed 80%. Do not apply with risk of imminent rain or strong winds.

If paint gets wet before drying out completely, its components may get dissolved leading to surface stains, also known as (snail track blistering).

APPLICATION METHOD. Brush, Roller or by Spraying.

CLEANING. Clean stains immediately, and use soapy water to clean tools and application equipment after use.

OBSERVATIONS

SILICATO can be applied on top of old silicate paints in good condition, but not on any other type of paint.

If colors other than white are chosen, pastel colors are recommended.

When applying darker and more intense colors keep a wet edge to avoid different shades on painted surface.

Due to the adhesion and alkalinity of this paint, during the application it is necessary to protect and cover any metal trim and surfaces, aluminum, plastic, iron and glass etc. that may be exposed to Silicato while painting.

If Silicato is stored properly and kept away from frost and extreme temperatures, the product will be optimal for use for more than 1 year.

SAFETY & ENVIRONMENT

Minimize product waste by estimating the correct amount of paint needed, taking into consideration the m2, porosity and texture of the support. Store the excess material in a ventilated and dry place. The container must be clean and of adequate size for the amount of product left over. Close containers carefully and keep upright to avoid spills. Keep the containers away from frost, high temperatures and direct exposure to the sun. Keep leftover product for later use to protect the environment.

Do not eat, drink or smoke during the preparation and application of the product.

Surface preparation and application operations must be carried out with the corresponding safety measures.

For more information, consult the Safety Data Sheet.

In case of contact with eyes wash with clean and abundant water. Keep out of the reach of children.

Do not discharge into drains or the environment. Dispose of at an authorized waste collection point. Consult your local city council about the correct recycling of both the container, waste and leftovers paint according to legislation and principles of environmental respect.

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