

Silicate Primer

Fixative based on potassium silicate

Fixative based on potassium silicate for preparing porous mineral substrates before applying Silicate Coating or Lime-Based Coating.

Characteristics and properties

- Suitable for **interior and exterior** applications.
- Compatible with surfaces such as **cement, stone, historic restoration, monuments**, etc.
- Acts as a fixative for **porous mineral substrates**, prior to the application of **mineral silicate paints**.
- High **hardness**.
- Fixes weak or powdery mineral substrates.
- Maintains substrate **breathability**.



Technical characteristics

Concept	Value
Finish	Transparent smooth finish paint
Specific weight (kg/l)	1.02 ± 0.05
Solids by volume	7 ± 1
Solids by weight	13 ± 1
VOC Cat. (2010 regulation) 50/30 (g/l)	0
Approximate yield per coat (m ² /l)	10 - 12
Touch dry, at 20°C, 60% RH (hours)	2
Recoating time, at 20°C, 60% RH (hours)	24

Silicate paint application guidelines

Step 1: Substrates preparation

NEW SUBSTRATES - Restoration and maintenance:

- Completely remove all old paint, as both the **Silicate Primer** and the **Silicate Coating** must be in direct contact with the mineral substrate to enable the petrification reaction.
- Dull overly glossy or smooth surfaces to ensure proper adhesion.
- Repair defects with filler.
- On moldy walls, treat with Fortilim fungicide-algicide.

NEW SUBSTRATES - Cement Mortar:

- Wait for full curing (minimum 30 days).
- Clean any efflorescence using abrasive blasting and neutralize alkaline surfaces.
- Sand excessively smooth surfaces to open pores.
- Fix weak areas using silicate primer.
- Remove dust, dirt, grease... and fill any surface defects.

Step 2: Application

This product must always be applied on mineral construction substrates.

- Stir the product until fully homogenized.
- Dilute according to the porosity and condition of the surface.
- Do not apply below 5°C or above 80% relative humidity.
- Avoid painting in direct sunlight.
- For very absorbent surfaces:
 - Apply one coat of diluted Silicate Coating.
 - After 24 hours, apply 2–3 coats of Silicate Coating in thin layers, allowing 12–24 hours between coats.
- For low absorbency surfaces:
 - Apply 2–3 coats of Silicate Coating, allowing 12–24 hours between coats.
- Use protective goggles.

Notes

- The paint must be stored in tightly sealed containers, protected from frost and direct sunlight.
- Recommended shelf life: no more than 1 year.
- Do not paint during rainy weather or at temperatures below 5°C.
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