# SILIFARBE

*Silica sol-based mineral paint*

Mineral, breathable, not film forming, microporous, silica sol-based mineral paint, in accordance with DIN 18363 2.4.1 and EN 1062, made of filler and inorganic pigments. Highly resistant to atmospheric agents, light and UV radiation. Alkaline, contains no preservatives, solvents or other harmful substances.

## FIELDS OF APPLICATION

Silifarbe – Calchèra San Giorgio is ideal for use on supports such as lime plasters, on new or renewal surfaces, on mineral or concrete supports, organic supports, old paint and siloxane plasters, provided they are healthy and well adhered to the substrate. Not for use on wood, elastomeric coatings, oil paint, lacquers and aerated concrete elements. Specific for outdoor surfaces, it can be applied also indoor.

## SUBSTRATE PREPARATION

The substrate must be dry, solid, not dusting and cleaned. Remove loose and deteriorated parts. Eliminate any salts, algae, mould, mosses and lichens. Eventual grouts and smoothing works must be completely dry and matured. Substrate highly absorbent will need to be treated in advance with Silifix – Calchèra San Giorgio, before painting with Silifarbe – Calchèra San Giorgio. In case of cracks or in very mended substrate, it is advisable to use Siligrund - Calchèra San Giorgio.

## APPLICATION

On new and in good condition plaster, normally absorbent, two layers of application, diluted as follows, are sufficient:
First layer: dilute to a maximum of 10% with Silifix - Calchèra San Giorgio.
Second layer: dilute to a maximum of 5% with Silifix - Calchèra San Giorgio.
Apply by brush, roller, or airless (nozzle 0,79 mm / 0,031 inch – gun filter 30 mech).
At least 12 hours shall lapse between the first and the last layer.

## APPLICATION TEMPERATURE

Do not apply in temperatures below +5° C. Do not apply with direct sunlight and on surfaces overheated by the sun. Protect surfaces from direct sunlight, wind and rain, during and after application.

## CONSUMPTION

0,35-0,45 Kg/m$^2$
An exact assessment can only be made after sampling.

CALCHÈRA SAN GIORGIO
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## TECHNICAL DATA

| | |
|---|---|
| **Form** | **Liquid** |
| **Colour** | **White / Colour chart tones** |
| **Specific weight** | **about 1,59 g/cm$^3$** |
| **Organic content** | **< 5%** |
| **Water absorption coefficient (24h) DIN EN 1062-3** | **W < 0,1 - ≤ 0,1 Kg/mq.h$^{0.5}$ II Class** |
| **Water vapour permeability DIN EN ISO 7783-2** | **Sd ≤ 0,03 m I Class (sd < 0,14m)** |
| **Degree of reflection in light at 85° ISO 2813** | **1,5 matt (< 10)** |
| **pH** | **about 11,4** |
| **VOCs** | **Matt paints for interior walls and ceilings – Category 1/a. UE value limit for this product: 75 g/L (2007); 30 g/L (2010). This product contains 0-1 g/L VOC (white and coloured)** |
| **Non-flammable (DIN 4102 A2)** | |

## PACKAGING

White Silifarbe: 18 Kg buckets
Coloured Silifarbe: 5-18 Kg buckets

## STORAGE

Store in a cool, well-ventilated location protected from frost. Apply within 12 months from the date of manufacture.

## WARNINGS

*Product for professional use. Do not modify the product. Protect from rain throughout the entire drying period. Due to the use of pure and natural raw materials, colour uniformity cannot be guaranteed between different supplies of the material. The information and directions reported refer to laboratory tests along with the technical and applicative knowledge we possess. It is advisable to carry out practical tests on-site. However, the user must verify the suitability of the product for its intended use and its consumption, assuming all liability arising from its application. The company reserves the right to make technical changes without prior notice. Please refer to the Safety Data Sheet prior to using the product.*

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