

Silica Fondo SD

Silicate-based consolidating primer for silicate finishing.

MAIN FEATURES

- SILICA FONDO SD is a consolidating primer, based on potassium silicate and specific additives, stabilizer and leveller of the absorption
- After the application, the product reacts with carbon dioxide, giving rise to a colloidal silica, that combined with the substrate consolidates and becoming an integrant part of it, and not changing its nature because it has chemical-physical characteristics, very similar to plaster.
- The breathability of the support isn't modified because the microcrystalline structure of the silica-crystallization doesn't change the plaster's porosity
- The support must be sound and not affected by humidity, ascending dampness, or infiltrations.

SURFACES OF APPLICATION

It is the ideal product for every type of mineral based substrate except all type of gypsum

CLASSIFICATION UNI 8681

A.2.A.0.C.2.QA

Single-component, with reactive chemical drying, matt, priming paint, in water dispersion, with a base of inorganic silicates (potassium silicate)

CLASSIFICATION VOC (Directive 2004/42/CE)

Binding Primers.

EU limit value for SILICA FONDO SD (cat. A/h): 30 g/L (2010). SILICA FONDO SD contains max. 30 g/L of VOC

PREPARATION OF THE PRODUCT

Ready to use. Avoid translucent spot thinning with demineralise water at 50% of the weight.

APPLICATION CONDITIONS

- Protect from frost. Close the tin tightly after use. Wash the tools with water, after their use.
- Ensure that the surface to be painted is sufficiently dry before applying the product.
- Do not apply over surface affected by ascending dampness. Protect the surface from rain, ice, mist, dew and dust for at least 24 hours, until it is completely dry.
- Do not apply in direct sunlight, on very hot or windy days, or when there is mist or the air is very humid, or when there is a danger of rain or night time freezing.
- To avoid any shade apply the product in one passage each coat, wet over wet.
- New patch must be perfectly seasoned for at least 4-6 weeks.
- Environmental and surface conditions:
- Room temperature: min 7°C / max.40°C;
- Relative humidity: <80%;
- Surface temperature: min. 5°C / max. 40°C.

APPLICATION CYCLE

| SUBSTRATE | Surface treatment of the substrate | Application |
|----------------------|---|--|
| NEW PLASTERS | New plasters must cure for at least 4:6 weeks in order to complete the natural carbonation. Also new plasters and patching must cure perfectly as well. Remove dust and loose plaster fragments to let the product penetrate in the substrate | Apply with brush or wool roller uniformly on the surface perfectly dry. The product is ready to use and require no dilution. Shake well before use |
| OLD PAINTINGS | Old paintings must be completely removed, we advise to operate with water-sandblasting machine. | |

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SAFETY PRECAUTIONS

- The product is strongly alkaline. Protect the eyes during use and, in case of contact, rinse abundantly with water and consult a doctor.
- The user's safety information is contained in the relative data sheet.
- Empty containers, or with traces of dried product film, must be disposed of according to local regulations.
- Silicates are reactive substances. Before beginning application, be sure to protect glass, marble, metal window and door frames, tiles and everything that is not to be painted

SPECIFICATIONS AND OTHER TECHNICAL INFORMATION

| SPECIFICATIONS AND OTHER TECHNICAL INFORMATION | MAIN DATA AT 20°C AND 60% RELATIVE HUMIDITY | METHOD |
|---|--|---------------|
| Coat finish and aspect | Matt | |
| Density g/ml | 1,020 ÷ 1,100 | UNI 8910 |
| Spreading rate per coat m ² /Lt | 8 ÷ 10 Depending on the surface absorption | ISO 7254 |
| Flash point°C | Not flammable | UNI 8909 |
| Shelf life (in cool and dry place) | At least 12 months | UNI 10154 |
| Touch dry hrs | Max 2 | |
| Hard dry hrs | 24 | |
| Dry to recoat hrs | After 24 | |
| Binder | Inorganic silicates | |
| Thinner | Distilled water | |

All the technical data herein contained are fruit of our best experience and have indicative value and do not constitute guarantee of result. All the information and data reported herein are subject to variation at any time according to the latest development in the production technology. The application of the product is carried out beyond our control and it is therefore under the exclusive responsibility of the client. The correct use of the products implies the compliance of the GENERAL prescriptions of use and in particular those indicated on this data sheet, particularly concerning the suitability and preparation of the substrates. The technical service of CROMOLOGY Italia S.p.A. is at the user disposal for the supply of any integrative information required.
THIS DATA SHEET ANNULS AND SUBSTITUTES ANY PREVIOUS VERSION..