



TECHNICAL DATA SHEET

1.2 PREPARATION AND FIXING

► Siltop Concentrate sol-silicate

Priming based on potassium silicate

2505 / Version 7 / 05-03-2025



DESCRIPTION

Product based on silicate resin and silica sol used as a primer and diluent solvent for SILTOP SOL-SILICATE. Respond all the requirements established in the "GREEN BUILDING", offering the highest possible score for BREEAM and / or LEED certifications.

PROPERTIES

- Regulates surface absorption.
- The product improves the adhesion of the following layers.
- Reduction of the presence of microorganisms.
- Contributes to BREEAM and LEED certification.

USES

Used as a sealant and diluent base for SILTOP SOL-SILICATO sol-silicate paint. Fixes mineral and organic surfaces. Especially indicated for regulating the porosity of surfaces to be painted.

TECHNICAL DATA

Appearance	Milky white. Becomes completely transparent when it dries.
Viscosity (Brookfield RVT at 20°C). Poises	5 - 10
Density at 20°C (Kg/L)	1.05 ± 0.05
Yield	Between 12-20 m2/l, depending on the base to which it is applied. (Undiluted product yield)
Touch dry	20 - 30 min
Second coat	2 h
Brush or roller dilution	Dilute fixer in water at a ratio of 1 (Siltop concentrate): 4 (water)
Volatile Organic Compounds (COV).	Maximum product content 2,56 g/l
Cleaning of utensils and stains	With water before drying.

HOW TO APPLY

- Stir the product until totally smooth.
- The surfaces to be painted must be clean, dry and free of dust, grease, saltpetre, etc.
- If the surface is already painted, ensure the previous paint is in good condition and well-adhered.

SURFACE AND AMBIENT CONDITIONS

AMBIENT TEMPERATURE:

Do not paint at a temperature of below 7°C .

RELATIVE HUMIDITY:

Never apply with relative humidity exceeding 80%.

AMBIENT CONDITIONS:

Do not paint under conditions of excessive sunlight, strong winds, or if rain is forecast.

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SURFACE PREPARATION

UNPAINTED SURFACES:

Lime mortar:

- Wait until completely set (min. 30 days).

Concrete:

- Wait until completely set (min. 30 days).
- Removal of stripping substances

Plaster/Cast plaster:

- It should not be applied on plaster or cast plaster.

Cement mortar:

- Wait until completely set (min. 30 days).
- Elimination of efflorescence and alkalinity by treating with DILUTED ZINC SULPHATE.

Fibre cement:

- Eliminate high alkalinity and regulate absorption by applying a suitable fixer/primer (See possible application systems)

PRE-PAINTED SURFACES IN GOOD CONDITION:

Supports previously painted with organic paints:

- Regardless of the support to be repainted, its appearance must be homogenised; in other words, adjust the surfaces that are shiny to help to open the pores and foster adhesion. Check the adhesion and resistance of the paint. Correct any texture or planimetry differences that may exist with RHONA repair mortars. Test compatibility between coats.
- If the surface to be painted has a non-homogeneous appearance (various materials, areas with different colours, repairs, etc.), it is recommended to apply a coat of opaque acrylic primer in the desired colour, in order to regularise the colour, absorption and appearance of the surface (See possible application systems).

PRE-PAINTED SURFACES IN POOR CONDITION:

Brittle:

- If the paint is old or badly adhered with defects such as chalking, blistering, peeling, cracking, etc., it must be completely removed and then apply a coat of transparent acrylic fixer. (see possible application systems)

Diseased:

- Surfaces with mould and algae: Removal and disinfection of mould or algae by vigorously rubbing the stain with a brush using household bleach or 10 volume hydrogen peroxide. It is finished with two finishing coats with anti-mould preservative for film protection.
- Surfaces with metal salts: These, coming from the slabs, are reddish or yellowish in colour; they must be covered with two coats of suitable anti-stain paint and then painted as normal.

POSSIBLE APPLICATION SYSTEMS

Use a brush or roller for normal application of Siltop Sol-Silicato concentrate diluent fixer.

SAFETY

Consult the current safety data sheet for safe handling (Section 8.2). Unsuitable for children. Keep out of the reach of children. Do not place painted surfaces into the mouth.

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REMOVAL

Take the necessary measures to ensure waste is kept to an absolute minimum. Analyse all possible methods for reuse or recycling, in line with the local and national legislation in force. Take the necessary measures to ensure waste is kept to an absolute minimum. Analyse all possible methods for reuse or recycling. Do not pour down drains or into the environment. Dispose of the product at an authorised waste disposal site or through an authorised waste management company. Waste must be handled, stored and disposed of pursuant to current local- national legislation.

STORAGE

See storage conditions indicated in section 7.2 of the current safety data sheet. Store the containers away from high temperatures, direct exposure to the sun and frost. Maximum recommended storage time: 12 months from manufacture in fully sealed original container, indoors and at temperatures between 5° and 35° C.

LEGAL TEXT NOTE

This information and, in particular, the recommendations regarding the application and final use of the product, are given in good faith, based on the current knowledge and experience of Isaval Paints of the products when they are properly stored, handled and applied, in normal situations, within its useful life, according to the recommendations of Pinturas Isaval. In practice, the possible differences in the materials, supports and actual conditions at the place of application are such that it cannot be inferred from the information in this document, no any other written recommendation, neither any advice offered, will insure the guarantee in terms of marketing or suitability for particular purposes, neither any obligation outside of any legal relationship that may exist. The user of the products must carry out the tests to verify their suitability according to the use they want to give. Pinturas Isaval reserves the right to change the specifications of its products. The property rights of third parties must be respected. All orders are accepted according to the terms of our current General Conditions of Sale and Supply. Users should know and use the latest and updated version of the local Product Data Sheets, a copy of which will be sent to whoever requests them, or can also be obtained on the page www.isaval.es. All data in this document are based on laboratory tests conducted at 20°C and 1 atm pressure. Measurements taken "on-site" may vary due to circumstances beyond our control, such as changes in environmental conditions of pressure and temperature.