

Technical Data Sheet

Rajasil SIF INTERIOR

(Silikat-Innenfarbe, silicate interior paint)

Rajasil SIF INTERIOR:	Ready-to-use silicate paint according to VOB/C DIN 18363 Section 2.4.1 (Dispersionssilikatfarbe, dispersion silicate paint) for mineral surfaces in indoor areas.
Properties:	Without diffusion barrier, free of emissions and solvents, odourless, can be processed without any problems, no film formation Wet abrasion class 2 in accordance with DIN EN 13 300 (corresponds to abrasion resistance in accordance with DIN 53 778) Colour: white and bright colour shades
Areas of Application:	Can be applied on mineral surfaces with sufficient load-bearing capacity in indoor areas (new plasters CS I, CS II, CS III, CS IV in accordance with DIN EN 998-1). Due to the excellent water vapour diffusion properties, Rajasil SIF INTERIOR (Silikat-Innenfarbe, silicate interior paint) is particularly well suitable for renovation applications, e.g. on Rajasil restoration plasters and Rajasil lime renders. The user is liable for any other use exceeding these areas of application.
Composition:	Potassium water glass (potassium silicate), organic additives in accordance with VOB DIN 18 363, Section 2.4.1, mineral pigments and fillers
Technical Data:	$s_d < 0.01 \text{ m}$
Consumption:	Rajasil SIF INTERIOR (Silikat-Innenfarbe, silicate interior paint) In the case of two coats on smooth surfaces, 0.20-0.25 l/m ² (corresponds to 4.5 m ² /l). For one coat on a smooth surface, approx. 0.15 ml/m ² are required. Precise consumption must be determined by means of trial coating on the object.
Surface:	<u>Suitable:</u> Clean, solid mineral surfaces free of bleeding, e.g. new plasters (CS I, CS II, CS III and CS IV) and old plasters, bricks, lime sandstones, concrete and fibre cement surfaces, non-ferrous natural stones. For the coating of ferrous natural stones, Rajasil SHF (Siliconharzfarbe, silicone resin paint) should be used. <u>Unsuitable:</u> Gypsum plasters (P IV a,b and P Va), wood, clinker, plastic, metal, oil and varnish paint coats as well as other organic old coats
Surface Preparation:	It is absolutely necessary to cover glass, metal, ceramic surfaces, natural stone veneering etc. well before starting to carry out the coating work. <u>Old mineral coats and plasters:</u> Clean thoroughly and mechanically remove components the load-bearing capacity of which is no longer sufficient. Concrete and fibre cement surfaces must be pretreated using standard commercially available fluorosilicate according to the manufacturer's instructions. <u>Old plasters:</u> Removed sintered layer by grinding (wetting test for checking purposes). Plaster repair work should be performed using mortar the properties (absorbency, strength, surface texture) of which correspond to those of the available plaster after the mortar has cured. In general, new plaster areas (plaster repair work) and sintered layers must be pretreated using standard commercially available fluorosilicate according to the manufacturer's instructions.
Processing and Surface Temp.:	At least + 5 °C
Application:	Each coating may be applied using brush, roller or airless spraying application. Only one method at a time should be applied, since different colour shades may occur between the individual methods, for example if both brush and roller application is carried out on a single surface.
Priming:	Only in the case of highly and/or unevenly absorbing, sanding, chalky surfaces (e.g. old coats) and gypsum plasters, priming is required and carried out using Rajasil FIXATIV in undiluted form.
First Coating:	In the case of normally absorbing, solid and uncoated surfaces, Rajasil SIF INTERIOR (Silikat-Innenfarbe, silicate interior paint) is applied in diluted form (diluted with 6% of water).
Final Coating:	The final coating is performed 6 hours at the earliest after the previous coating. For the final coat, Rajasil SIF INTERIOR (Silikat-Innenfarbe, silicate interior paint) is applied in undiluted form. In order to determine the correct water content and consumption, it is recommended for textured plasters in particular to carry out a trial coat.

Notes on Factory-made Colouring:

In general, coatings are adjusted according to the colour tone scale and/or according to the submitted samples.
Prior to applying the coat, it is necessary to carry out a sample surface and to compare it to the colour shades of the colour tone scale or the desired special colour shade.
The implementation and processing conditions, such as the type, absorbency and texture of the surface (see also VOB DIN 18 363, Section 3.1.1), and ambient reflections may result in colour shade deviations.

Notes on Factory-made Colouring:

In the case of reorders, always specify the date of the first order, the batch number as well as the delivery note/invoice number.
Due to the use of mineral raw materials, the colour shade of reorders may deviate slightly. **Therefore, we urgently recommend to only use material from the same delivery for connected areas.**
Colour shades deviating from the colour tone scale and/or submitted sample which are complained about after processing cannot be accepted. Deviations in colour shade which can be explained by the facts described above do not constitute a reason for complaint either.

Cleaning of Tools:

Immediately after use, with water

Notes:

Variations in colour shade and surface texture over the course of time due to weather and environmental factors, such as atmospheric particles (particles in the air), are not covered by warranty. Technical functionality is given. Condensation occurring prior to and during the processing as well as during the drying process may result in staining.
Work only under adequate weather conditions. Under adverse conditions, the formation of micro-organisms, e.g. algae, cannot be ruled out and does not constitute a reason for complaint.

Safety Instructions:

Rajasil SIF INTERIOR (Silikat-Innenfarbe, silicate interior paint) contains potassium water glass and thus produces an alkaline reaction.
Avoid contact with eyes and skin. Protect eyes and skin. If product gets on skin, wash off immediately with soap and water. If product gets in eyes, thoroughly rinse with plenty of water for at least 15 minutes and seek medical advice. Wear suitable protective gloves. If product is swallowed, seek medical advice immediately.
Keep product out of the reach of children.
For further information, see safety data sheet.

GISCODE:

M-SK01

Storage:

Frost-free and cool in the original container, storage period should not exceed 12 months.

Quality Control:

Constant monitoring of production through laboratory analyses.



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HECK Wall Systems GmbH
Thöläuer Straße 25
95615 Marktredwitz / Germany
Phone: +49 9231 802-0
Fax: +49 9231 802-330
www.wall-systems.com