

Technical Data Sheet

Rajasil SSM

(Strukturschlämme mineralisch, mineral slurry-type texturing coat)

Rajasil SSM:	Ready-to-use highly filled, environmentally friendly mineral slurry paint on silicate basis in accordance with VOB/C DIN 18363 Section 2.4.1 (Dispersionssilikatfarbe, dispersion silicate paint) with water-repellent properties for undercoats on difficult surfaces.
Properties:	Excellent water vapour and carbon dioxide permeability, can be processed without any problems, water-repellent, open-pore, no film formation. Rajasil SSM closes hair cracks and adjusts textures.
Areas of Application:	With Rajasil SSM, organically bound old coats with sufficient load-bearing capacity are processed for Rajasil Silikatfarben (Rajasil SIF, Rajasil SIF Interior silicate paints) with a bridging effect. On mineral surfaces or organic old coats, Rajasil SSM has an optimum crack-bridging and slurry-seal-coating effect (for shrinkage and hair cracks up to 0.5 mm) due to the selected fibre content and fillers. Using Rajasil SSM, different available surface textures are adjusted. When the product is used on smooth surfaces, rough "brush-on plaster-like" surfaces can thus be achieved. Thanks to the identical combination of binding agents, Rajasil SSM and Rajasil SIF and/or Rajasil SIF Interior can be mixed in the desired mixing ratio. It is thus possible to set the degree of slurry-seal-coating effect specifically to the surface as well as according to the requirements.
Composition:	Modified potassium silicate, mineral, inorganic pigments and fillers
Technical Data:	$s_d \leq 0.02 \text{ m} / \sqrt{V1 \text{ high}}$ $w < 0.1 \text{ kg}/(\text{m}^2 \cdot \text{h}^{0.5}) / W3 \text{ low}$
Container Size:	15 litres
Consumption:	Approx. 0.25 - 0.4 l/m ² The consumption information provided refers to average values determined from practice. Depending on the layer thickness and substrate, slightly higher or lower consumption is possible.
Processing and Surface Temp.:	At least +5 °C Do not process if exposed to direct sunlight or on surfaces heated by sunlight. Lower temperatures during the curing phase can have a lasting adverse effect on product properties.
Surface:	Suitable: Clean, solid mineral surfaces free of bleeding, e.g. new plasters CS I to IV in accordance with DIN EN 998-1 (P I to III in accordance with former DIN V 18 550) and old plasters, bricks, lime sandstones, concrete and fibre cement surfaces, non-ferrous natural stones. In the case of ferrous natural stones, Rajasil SHF FILL (Siliconharz Füllfarbe, silicone resin filler paint) must be used. When new plasters can be coated depends on the type of the available plastering mortar and the weather conditions prevailing during the curing phase of the plastering mortar. The following <u>average values must be observed</u> : <ul style="list-style-type: none"> • Mainly lime-bound plasters at least 6 weeks • Trass lime plasters at least 4 weeks P II plasters at least 2 weeks The carbonation depth must be at least 2 mm. Unsuitable: Wood, clinker, plastic, metal, oil and varnish paint coats as well as saponifiable 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. The surface must have sufficient load-bearing capacity and be dry, clean, absorbing as well as free of dust and grease. 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. The carbonation depth must be at least 2 mm. 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. Clean the surface thoroughly, e.g. by means of water jets under high pressure, and observe the drying time. In the event of fungal, algae and moss attacks, use Rajasil FUNGIZID. Mechanically remove coats the load-bearing capacity of which is no longer sufficient. Remove old film-forming coats mechanically using, for example, dispersion paint strippers or other suitable measures. Natural stones must be solid, dry and free of bleeding. Clean thoroughly, but gently by applying suitable methods. After any stone-fixing measures have been taken, e.g. with Rajasil OH 100 (Steinfestiger OH 100, OH 100 fixing agent), an adequate waiting period must be complied with (approx. three weeks). Sand-lime brickwork must be suitable for exposed brickwork. The jointing should be free from cracks, but not too smooth. Clean concrete and fibre cement surfaces, if necessary, of release agent residues, if any. Observe CO ₂ permeability.

Priming:	In the case of highly and/or unevenly absorbing, sanding or very smooth surfaces (e.g. old coats), priming is required and carried out using Rajasil FIXATIV in undiluted form.
Application:	Each coating may be applied using brush or roller application. Only one method at a time should be applied, since different textures and colour shades may occur between the individual methods, for example if both brush and roller application is carried out on a single surface. On absorbing surfaces, the product can be diluted with up to 10% of Rajasil Fixativ as required. Rajasil SSM can be processed using suitable machinery (inotec inoBEAM M8). To do this, Rajasil SSM is diluted with up to 10% of Rajasil Fixativ. With a maximum hose length of 10 m, the material is sprayed on the surface in a loop and textured afterwards crosswise using the brush as desired. Recommended nozzle size: Ø 8 mm. Recommended setting for the delivery rate: lowest level. Material hose diameter: ¾"
Subsequent Coating:	Rajasil SSM (Strukturschlämme mineralisch, mineral mineral slurry-type texturing coat) must always be covered with at least one subsequent coat with Rajasil SIF when used in outdoor areas. In the case of bright colour shades, one covering final coat, in undiluted form, is usually sufficient. In the case of more intense colour shades, two subsequent coats may be necessary.
Drying Time:	Between each working step, a drying time of at least 12 hours should be complied with.
Secondary Treatment:	The fresh coat of paint must be protected adequately against exposure to direct sunlight, wind, rain and frost.
Subsequent Surface Coating:	Water-repellent coating systems with good water vapour diffusion properties, such as Rajasil SIF (Silikat-Fassadenfarbe, silicate façade paint), are suitable surfaces.
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 SSM (Strukturschlämme mineralisch, mineral slurry-type texturing coat) 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-SK 01
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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