

Technical Data Sheet

Rajasil SHF FILL

(Siliconharz-Füllfarbe, silicone resin filler paint)

Rajasil SHF FILL:	Ready-to-use silicone resin emulsion paint according to VOB DIN 18 363 2.4.1 with water-repellent properties. It is an environmentally friendly, open-pore, filling coating system, suitable for the adjustment of textural differences and for the slurry-seal-coating of hair cracks up to a crack width of approx. 0.3 mm.				
Properties:	<p>Excellent water vapour and carbon dioxide permeability; lime-based plaster can cure under the coat. Extremely water-repellent. Frost damage, mould and algae formation, scum or staining, which are often the consequence of too high water absorption in façade areas, are reduced. "Inactive" cracks up to widths of approx. 0.3 mm can be covered. Rainwater entering larger cracks appearing subsequently can dry again quickly. The pH value of Rajasil SHF FILL (Siliconharz-Füllfarbe, silicone resin filler paint) is in the neutral range.</p> <p>There is no film formation.</p> <p>Additional protection of the coating against algae and fungal attacks.</p>				
Areas of Application:	<p>On mineral surfaces with sufficient load-bearing capacity and suitable old coats with sufficient load-bearing capacity. Due to the excellent water vapour diffusion properties and the water-repellent effect, Rajasil SHF FILL (Siliconharz-Füllfarbe, silicone resin filler paint) is particularly well suitable for renovation applications, e.g. on Rajasil SP (Sanierputzen, restoration plasters) and Rajasil KP (Kalkputzen, lime renders). Use on vertical surfaces only!</p> <p>The user is liable for any other use exceeding these areas of application.</p>				
Composition:	Polysiloxane emulsion, mineral pigments and fillers				
Technical Data:	<table border="1"> <tr> <td>S_d:</td> <td>< 0.1 m</td> </tr> <tr> <td>w:</td> <td>< 0.1 kg / (m²h^{0.5})</td> </tr> </table>	S _d :	< 0.1 m	w:	< 0.1 kg / (m ² h ^{0.5})
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Consumption:	<table border="1"> <tr> <td>Rajasil SHF FILL (Siliconharz-Füllfarbe, silicone resin filler paint) First and final coating in the case of fine-grained rendered surfaces</td> <td>Approx. 0.4 - 0.7 l /m²</td> </tr> <tr> <td>Priming with Rajasil NIG (Nano Imprägnierung und Grundierung, nano waterproofing and primer)</td> <td>Approx. 0.2 - 0.3 l /m²</td> </tr> </table> <p>Precise consumption must be determined by means of a trial coat on the object.</p>	Rajasil SHF FILL (Siliconharz-Füllfarbe, silicone resin filler paint) First and final coating in the case of fine-grained rendered surfaces	Approx. 0.4 - 0.7 l /m ²	Priming with Rajasil NIG (Nano Imprägnierung und Grundierung, nano waterproofing and primer)	Approx. 0.2 - 0.3 l /m ²
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Surface:	<p><i>Unsuitable:</i> Wood, clinker, plastic, metal, oil and varnish paint coats</p> <p><i>Suitable:</i> Clean, solid, dry, mineral surfaces free of bleeding, e.g. new and old plasters, natural stones, bricks, lime sandstones, concrete and fibre cement surfaces, intact dispersion coats and synthetic resin plasters (check adhesion - cross-cut test)</p> <p>New plasters CS II to IV in accordance with DIN EN 998-1 (P II and P III in accordance with former DIN V 18 550) can be covered after 10 days at the earliest if there is an evenly dry surface.</p> <p>In the case of mainly lime-bound plasters CS I (P I), longer waiting periods are required. The carbonation depth must be at least 2 mm. Make sure that the surface is evenly dry.</p>				
Surface Preparation:	<p>It is absolutely necessary to cover glass, metal, ceramic surfaces, natural stone veneering etc. well before starting to carry out the coating work.</p> <p>Plaster repair work should be performed using mortar the properties (absorbency, strength, texture) of which correspond to those of the available plaster after the mortar has cured. Prior to any coating work, a sample surface in order to check the colour shade must be carried out.</p> <p>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 (Fungizid, fungicide). Mechanically remove coats the load-bearing capacity of which is no longer sufficient.</p> <p>Fix worn-out mineral plasters the load-bearing capacity of which is no longer sufficient as well as chalky old mineral plasters beforehand using Rajasil PF (Putzfestiger, plaster-fixing agent) (see technical data sheets).</p> <p>On dispersion paint coats with sufficient load-bearing capacity or synthetic resin plasters, apply two coats without prime coat.</p> <p>Remove old defective dispersion paint coats using paint stripper and superheated steam.</p> <p>Old, still intact silicone impregnations can be coated with Rajasil SHF FILL (Siliconharz-Füllfarbe, silicone resin filler paint) without any problems.</p> <p>Natural stones must be solid, dry and free of bleeding. Rajasil STRM (Steinrestauriermörtel, stone repair mortar) must have cured accordingly. Cleaning is performed thoroughly, but gently using water or by means of suitable methods. After 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. 3 weeks).</p> <p>Sand-lime brickwork must be suitable for exposed brickwork. The jointing should be free from cracks, but not too smooth.</p> <p>Concrete surfaces: remove any release agent residues if necessary</p>				

Processing and Surface Temp.:	At least + 5 °C. Lower temperatures during the drying phase can have a lasting adverse effect on product properties.
Application:	<p>Each coating may be applied using brush or roller 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.</p> <p><i>Priming:</i> Priming is carried out using Rajasil NIG (Nano Imprägnierung und Grundierung, nano waterproofing and primer). For highly absorbing surfaces and on wall bases, it is recommended to apply two prime coats "wet-in-wet". If older silicone impregnations, prime coating might not be necessary! It is recommended to apply two prime coats "wet-in-wet" in the flooding process in the case of particularly exposed façade areas (church steeples etc.) in order to ensure even penetration. If necessary, a slightly higher consumption must be taken into account.</p> <p><i>First Coating:</i> Apply Rajasil SHF FILL (Siliconharz-Füllfarbe, silicone resin filler paint) on smooth surfaces diluted with up to 3 % of water and on rough surfaces diluted with up to 5 % of water.</p> <p><i>Final Coating:</i> The final coating is performed 12 hours at the earliest after the previous coating. For the final coat, Rajasil SHF FILL (Siliconharz-Füllfarbe, silicone resin filler paint) is applied in undiluted form or with the same consistency as with the first coat. If very intense colour shade paints are applied, it is recommended to apply an additional final coat.</p> <p><i>In Indoor Areas:</i> Two coats, on usual surfaces without a prime coat, washable according to DIN 53 778</p>
Drying Time:	Between each working step, a drying time of at least 12 hours should be complied with. High humidity extends the drying time.
Secondary Treatment:	The fresh coat of paint must be protected adequately against exposure to direct sunlight, wind, rain and frost.
Note on Factory-made Colouring:	<p>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.</p> <p>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), weather conditions or ambient reflections may result in colour shade deviations.</p> <p>In the case of reorders, always specify the date of the first order, the batch number as well as the delivery note/invoice number.</p> <p>Due to the use of mineral raw materials, the colour shade of reorders may deviate slightly. Therefore, we urgently recommend only using material from the same delivery for connected areas.</p> <p>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.</p>
Cleaning of Tools:	Immediately after use, with water
Notes:	<p>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.</p> <p>Under adverse conditions, the formation of micro-organisms, e.g. algae, cannot be ruled out and does not constitute a reason for complaint.</p>
Safety Instructions:	Protect eyes and skin. If product gets on skin, wash off with soap and water. If product gets in eyes, thoroughly rinse with plenty of water and seek medical advice. Ensure good ventilation. 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!
Storage:	Frost-free, cool and dry in the original container, storage period should not exceed 6 months
Quality Control:	Constant monitoring of production through laboratory analyses.



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