

## Technical Data Sheet

# Rajasil Steinfestiger OH 100

(Fixing Agent)

<b>Rajasil Steinfestiger OH 100:</b>	Solvent-free, one-component, silica-based fixing agent Gel separation of Rajasil Steinfestiger OH 100 can be adjusted by mixing with Rajasil Verdünner.																								
<b>Areas of Application:</b>	Stabilising of brittle, weathered, porous mineral construction materials such as sand brick, clay brick, renders and frescoes. The binder lost through weathering is re-introduced as mineral silica gel and the construction material is stabilised throughout the penetration depth without clogging pores or forming crusts. Responsibility for any usage exceeding these areas of application lies solely with the user.																								
<b>Properties:</b>	Resistance to weathering; UV stability; resistance to acid atmospheric pollutants; meets all requirements of a high-grade stone preservative.																								
<b>Composition:</b>	Active component content: 100% by weight																								
<b>Technical Data:</b>	<table border="1"> <thead> <tr> <th colspan="3">Gel separation at 25 °C and 50% humidity</th> </tr> <tr> <th colspan="3">Mixing ratio (% by volume)</th> </tr> <tr> <th>Rajasil Steinfestiger OH 100</th> <th>Rajasil Verdünner</th> <th>Gel separation rate in % by weight after 25 days</th> </tr> </thead> <tbody> <tr> <td>100</td> <td>0</td> <td>33</td> </tr> <tr> <td>80</td> <td>20</td> <td>27</td> </tr> <tr> <td>60</td> <td>40</td> <td>20</td> </tr> <tr> <td>40</td> <td>60</td> <td>14</td> </tr> <tr> <td>20</td> <td>80</td> <td>7</td> </tr> </tbody> </table> <p>Gel separation (undiluted): approx. 330 g/l Density: approx. 1.0 kg/dm<sup>3</sup></p>	Gel separation at 25 °C and 50% humidity			Mixing ratio (% by volume)			Rajasil Steinfestiger OH 100	Rajasil Verdünner	Gel separation rate in % by weight after 25 days	100	0	33	80	20	27	60	40	20	40	60	14	20	80	7
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<b>Coverage:</b>	0.5 to 8 l/m <sup>2</sup> , depending on dilution ratio, absorbency of the substrate and depth of degradation by weathering <b>Note:</b> Prior to treating construction material surface with Rajasil Steinfestiger OH 100, perform in-situ test (test panel) in order to determine depth of deterioration due to weathering, penetration depth, required quantity of the product and mixing ratio.																								
<b>Preparation of the Substrate:</b>	Gently clean heavily soiled stone substrates. With strongly weathered stone substrates, stabilising with Rajasil Steinfestiger OH 100 prior to cleaning may be advisable.																								
<b>Application and Substrate Temperature:</b>	+ 8 °C to + 25 °C relative humidity: 40 to 70%																								
<b>Preparation of the Product:</b>	Use Rajasil Steinfestiger OH 100 undiluted or diluted with Rajasil Verdünner as required (see table). Do not dilute with water!																								
<b>Application:</b>	Only apply Rajasil Steinfestiger OH 100 if substrate is air-dry and absorbent. Pressure-less application by flooding using e.g. Rajasil Flüssigkeitspumpe (fluid pump) or, if possible, by dipping. Repeated immersion must be performed wet-on-wet. With very highly absorbent stone substrates, combine 2 to 3 immersion passes (at 20-minute intervals) into one immersion cycle and repeat 2 to 3 times in 60-minute intervals. Time immersions in such a way that the natural stone surface to be treated can be finished in one day. If low-absorbent substrates or only partial areas (e.g. facade ornaments) are treated, we recommend rinsing with Rajasil Verdünner after the last immersion pass in order to prevent colour changes (deepening of colour) on treated areas. Rajasil Steinfestiger requires air humidity or water adhering to capillary walls to react. In standard conditions (20 °C; 50% relative air humidity), most of the product will have been transformed to silica gel after approx. 2 weeks. As long as this process is not fully completed, the surface treated may exhibit a slight roll-off effect, which often is mistaken for a hydrophobizing effect.																								
<b>After Treatment:</b>	Protect freshly treated surfaces from rain and direct sunlight for about 1 week. With temperatures significantly above 25 °C, evaporation losses of the active component will occur. With application temperatures below 5 °C, reaction rate decreases; in such cases, discolourations may occur.																								

<b>Drying Time:</b>	Allow for a contact time of 2 to 3 weeks before proceeding with any additional work on the stabilised surface.
<b>Notes:</b>	Variations in colour shade and surface texture over the course of time due to weather factors, e.g. UV impact, and environmental factors, e.g. atmospheric particles, are not covered by warranty. Technical functionality remains unaffected.
<b>Cleaning of Tools:</b>	Immediately after use, with Rajasil Verdünner
<b>Subsequent Coating:</b>	After waiting for 2 to 3 weeks, additional work on the surface may be performed: <ul style="list-style-type: none"> <li>– colourless hydrophobization using Rajasil Fassadenimprägnierung W</li> <li>– paint coating with Rajasil silicon resin paints, Rajasil silicate paints or Rajasil lime paints (light colours only)</li> <li>– stone repair using Rajasil stone repair mortars</li> <li>– application of mineral render systems, e.g. Rajasil renovation renders, Rajasil renovation render systems</li> </ul>
<b>Safety Instructions:</b>	<p>Keep container locked airtight; keep away from sources of moisture. Make sure enclosed areas are well ventilated. Before applying the preservative, make sure all surfaces not to be treated, such as glass surfaces, window frames, varnished parts etc., are covered; this also applies to decorative and useful plants. If Rajasil Steinfestiger OH 100 does get on unprotected surfaces, remove product immediately. For short-term exterior use and short-term interior use in wellventilated areas, wear a AXP2 respirator. For prolonged interior and exterior use, wear a respiratory protection mask that is independent from ambient air.</p> <p>Protect eyes and skin. Do not inhale vapours. Only work in well-ventilated areas. Take off soiled or soaked clothing immediately. If product gets on skin, wash of with water and soap immediately. If product gets in eyes, immediately rinse with plenty of water for at least 15 minutes while keeping lid gap open and seek medical attention. If product is swallowed, seek medical attention and identify substance.</p> <p>Keep away from sources of ignition – do not smoke. Take precautionary measures against electrostatic charging. Wear suitable protective gloves. If product is swallowed, seek medical attention. Keep product out of the reach of children. For further information see Safety Data Sheet.</p>
<b>Storage:</b>	Can be stored for 12 months in closed original container in a dry, cool and well-ventilated space. Once original container is opened, use up material immediately. Protect container from direct sunlight; do not store at temperatures exceeding + 30 °C.
<b>Quality Control:</b>	Constant monitoring of production through laboratory analyses.



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