

# Technical Data Sheet

## Rajasil Sanierschlämme

(Renovation Slurry)

**Rajasil Sanierschlämme:** Dry factory-mixed mortar CR, CS II, W 2 in accordance with DIN EN 998-1 (P II according to former DIN V 18 550) for thin-layer slurry renders on damp, slightly saltcontaminated substrates; similar to lime slurry renders but with significantly enhanced durability.

**Areas of Application:**

- Thin-layer slurry renders on damp masonry made with natural stone or clay bricks with a low salt content where Rajasil renovation render systems cannot be applied in the necessary minimum layer thickness of 20mm/25mm.

**Note:** In terms of long-time durability, limitations have to be made in comparison to professionally applied Rajasil renovation render systems. The type and quantity of salts present can only be determined through pertinent tests. Please solicit expert advice!

- Finishing coat for the creation of certain textures for example on renovation renders

The responsibility for any usage exceeding these areas of application lies solely with the user.

**Composition:** Hydraulic lime; cement HS-NA; aggregates of a 1mm maximum grain size; admixtures for improved workability, adhesion and water-repellent properties; colour pigments, where applicable  
 Colour: off-white ("altweiß") and light colour shades

**Technical Data:**

|  |  |
|--|--|
| mortar group                                     | CS II according to DIN EN 998-1<br>P II according to former DIN V 18 550 |
| gross density of set mortar                      | approx. 1,4 kg/dm <sup>3</sup>   |
| flexural strength                                | approx. 2 N/mm <sup>2</sup>  |
| compressive strength                             | approx. 1,5 – 5,0 N/mm <sup>2</sup>                                      |
| e-module   | approx. 5500 N/mm <sup>2</sup>   |
| w-value  | < 0,5 kg/m <sup>2</sup> ·h <sup>0,5</sup>                                |
| water vapour permeability resistance coefficient | μ < 12   |

**Coverage:**

|                    |  |
|--------------------|--|
| on masonry:        | approx. 10 to 15 kg/m <sup>2</sup> , depending on properties of joints |
| as finishing coat: | approx. 1.2 kg/m <sup>2</sup> per mm of render thickness               |

**Substrate:** Remove existing render up to a distance of at least 80cm above moist areas and efflorescences. If there are visible traces of previous render replacement work further up, remove render up to this line. Rake out brittle joint mortar to a depth of at least 2cm. Thoroughly clean brickwork and remove dust. Clean away chipped-off, salt-contaminated material immediately. Application of a bonding bridge with Rajasil Spritzbewurf SP3 is necessary only if there are larger areas with smooth, low-absorbent bricks.

For the levelling of hollows, larger holes and wide joints apply Rajasil Porengrundputz SP2 onto the masonry prior to the application of Rajasil Sanierschlämme. If the brickwork contains sulphates, apply Rajasil Egalisiermörtel fully-covering (Spritzbewurf SP3 as bonding bridge). Thoroughly roughen surface.

Curing time prior to the application of additional render coats: 1 day per mm of render thickness; with render thicknesses exceeding 10mm, a minimum of 10 days, depending on curing and drying conditions.

**Application and Substrate Temperature:** + 5 °C minimum; lower temperatures during the curing phase can have a sustained negative effect on product properties.

With high environmental temperatures (and/or strong wind), additional measures are necessary to prevent premature loss of mixing water.

**Mortar Preparation:** The content of a bag is mixed with approx. 6 litres of tap water in a clean mortar mixing container using a power stirrer without producing any clots. The material can also be processed automatically, e.g. G4, PFT, if suitable secondary mixing machines are used.

**Application:** Pre-wet absorbent brickwork. Using a trowel, apply slurry onto pale-damp substrate in such a way that the joints in the masonry remain visible after the slurry render has cured. If a plastering machine is used for application, this has to be done in a very careful manner to produce the same surface texture as with manual application. During curing, the surface can be treated with a painter's brush in order to obtain the desired slurry render texture.

If too much water is used, colourised renovation slurries may show white discolourations. In such cases we recommend application of an equalising paint coat using Rajasil Silikonharzfarbe or HECK Ausgleichsfarbe.

Minimum thickness  
 slurry render: 8mm  
 finishing coat: 5mm approx.

|                             |   |
|-----------------------------|---|
| <b>After Treatment:</b>     | <p>Protect freshly applied slurry from rain, frost and premature dehydration (sun, wind, high temperatures) during curing.</p> <p>In a high-humidity environment, e. g. insufficiently ventilated basements, the renovation slurry cannot cure. In such cases, salts may penetrate throughout the entire cross-section.</p> <p>In order to ensure successful renovation work, it is necessary to provide for suitable curing conditions over the course of several days, e. g. by setting up a dehumidifier.</p>  |
| <b>Surface Coating:</b>     | <p>Only use open-porous coating systems (sd &lt; 0.1m) that adhere well to the highly water-repellent surface, e. g. Rajasil Silikat-Innenfarbe and Rajasil Kalkfarbe for interior surfaces. For exterior use, water-repellent coating systems, e. g. Rajasil Silikonharzfarbe or Rajasil Silikat- Fassadenfarbe, are required.</p> <p>Trowel-applied smooth coatings, using e. g. the traditional marmorino technique or a smooth lime finish, are unsuitable even if mineral-based, as this application method can result in a compacting of the surface.</p>   |
| <b>Notes:</b>               | <p>Colours (light colours only) will be adjusted according to the Rajasil Farbtonblock (colour tone scale) or according to the sample provided. Prior to the application of the coating, set up a test panel and compare to the colour on the colour tone scale or to the custom colour ordered.</p> <p>Application method and application conditions – such as absorbency and surface structure of the substrate (see also VOB DIN 18 363, paragraph 3.1.1), weather conditions or environmental reflexes – can result in divergences in colour shade.</p> <p>When placing a follow-up order, please make sure to provide: the date of your initial order, the batch number, as well as the shipping note/invoice number.</p> <p>Due to the usage of mineral raw materials, follow-up deliveries may slightly vary in colour shade. We therefore strongly recommend to only use material from the same production batch for continuous surfaces.</p> <p>Complaints made after application of the product as to divergences in colour shade from the colour tone scale or from the sample provided cannot be accepted. Also, divergences in colour shade that are a result of the circumstances described do not constitute a reason for complaint.</p> <p>Variations in colour shade and surface texture over the course of time due to weather and environmental factors, e.g. atmospheric particles, are not covered by warranty. Technical functionality remains unaffected.</p> <p>Under adverse conditions, the possibility of the formation of micro-organisms, such as algae, cannot be ruled out; this does not constitute a reason for complaint.</p> |
| <b>Safety Instructions:</b> | <p>Rajasil Sanierschlämme contains lime and cement and thus react alkaline when fresh. Avoid contact with eyes and skin. Protect eyes and skin. If product gets on skin, wash off immediately.</p> <p>If product gets in eyes, thoroughly flush with water immediately and seek medical attention.</p> <p>Wear suitable protective gloves. If product is swallowed, seek medical attention immediately.</p> <p>Keep product out of the reach of children.</p> <p>For further information see Safety Data Sheet.</p>   |
| <b>Storage:</b>             | <p>Store in a dry place; shelf-life in original container: approx. 6 months.</p> <p>Low chromate conforming to TRGS 613</p>   |
| <b>Quality Control:</b>     | <p>Constant monitoring of production through laboratory analyses.</p>   |



The information given herein is based on our present knowledge and experience. However, it implies no liability on our part. We reserve the right to make changes according to technological progress or further developments. This information serves to describe the properties of our products and services, and no warranty is intended or implied. The customer is not released from the obligation to conduct careful inspection of the functions and applications of incoming goods by qualified personnel. This is also valid with regard to existing third party intellectual property rights. Reference to trade names used by other companies is neither a recommendation nor does it imply that other similar products could not be used. With this publication, earlier Technical Data Sheets become invalid

**HECK Wall Systems GmbH**  
 Thörlauer Straße 25  
 95615 Marktredwitz / Germany  
 T: +49 9231 802-330  
 F: +49 9231 802-330  
[www.wall-systems.com](http://www.wall-systems.com)