

## Technical Data Sheet

# Rajasil Trasskalkputz

(Trass Lime Render)

**Rajasil Trasskalkputz:** Dry factory-mixed mortar GP, CS II, W 0 in accordance with DIN EN 998-1 (P II according to former DIN V 18 550), with a hydraulic-lime binder.  
Colour: grey

**Properties:** Rajasil Trasskalkputz (trass lime render) hardens in a low-tension manner and is water vapour diffusion

**Areas of Application:** **Basecoat** for mineral finishing coats.  
**Finishing coat**, to be left "as is" or for coating with open-porous, low-tension curing coating systems.  
For interior and exterior use; well-suited for renderwork during the renovation of older buildings due to its low-tension curing properties without additional protection not to be used on surfaces exposed to harsh weather conditions.  
**Not for use on wall bases!**  
Responsibility for any usage outside these areas of application lies solely with the user.

**Composition:** Hydraulic lime as well as Suevit trass powder and limestone sands, additive to achieve optimum processing properties, with flax fibres and adhesive additive if necessary

Rajasil TKP (medium)	max. grain size approx. 3.5mm
Rajasil TKP (fine)	max. grain size approx. 1.0mm

**Technical Data:**

Mortar group	GP, CS II, W 0 with DIN EN 998-1, (P I with former DIN V 18550)
Cured mortar gross density	approx. 1,5 kg/dm <sup>3</sup>
Flexuryl strength	approx. 1,4 N/mm <sup>2</sup>
Impact resistance	approx. 3,0 N/mm <sup>2</sup>
Rake DIN 4108 thermal conductivity	0,89 W (m·K)
E – module	approx. 5000 N/mm <sup>2</sup>
c – value (capillary water absorption)	> 0,4 kg/(m <sup>2</sup> ·min <sup>0,5</sup> )
μ - value	approx. 15

**Coverage:** Approx. 1.5kg powder / m<sup>2</sup> / mm render thickness  
**Yield:**  
10 kg powder will yield approx. 6.5 litres wet mortar

**Substrate:** Perform substrate check in accordance with DIN 18 350.  
Make sure all substrates are sufficiently structurally sound, free from dust, absorbent, and free from separating layers.

**Preparation of the Substrate:** Clean dust and loose particles off substrate. Remove brittle joint mortar to a depth of approx. 2cm. Apply Rajasil Spritzbewurf in a web-like pattern. Mixed masonry or low-absorbent masonry requires the application of a bonding bridge with Rajasil Spritzbewurf (fully covering). Moisten masonry prior to the application of Rajasil Spritzbewurf; make sure it is sufficiently cured before proceeding.  
On surfaces made from lightweight wood shavings boards, e.g. panels of roller-shutter casings, special measures are necessary to prevent the formation of cracks (see DIN EN 13168).  
Observe recommendations of wall construction material manufacturer!

**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.

**Preparation of the Product:** Mix the contents of a sack with approx. 6.5 liters (TKP fine) or 6.0 liters (TKP medium) tap water in a clean mortar bucket with the motor agitator lump-free. Likewise are mixing pump machines or hopper mixers are also suitable.

**Application:** Apply using a plastering machine or manually. Cast hollow joints, holes and larger indentations with Rajasil Trasskalkputz mittel and roughen surface prior to actual render application. Allow this levelling render layer to cure thoroughly before continuing with render application.  
**Basecoat:**  
If no scratch coat was applied during substrate preparation, manually or using a plastering machine apply an initial layer of Rajasil Trasskalkputz onto sufficiently moistened substrate. Once this layer begins to set, cast on another layer of mortar wet-on-damp until required basecoat thickness is obtained.  
**Surface Treatment:**  
a) If it is planned to apply a mineral, thin-layer, textured finishing coat, e.g. Rajasil Kalkfeinputz, vertically and horizontally level and smooth surface with h-profile feather edge (smoothing board) immediately after render application.

<b>Application:</b>	<p>b) If it is planned to apply a mineral decorative render or another coat of Rajasil Trasskalkputz as finishing coat, vertically and horizontally level and smooth surface with h-profile feather edge and thoroughly key horizontally during stiffening process.</p> <p>c) Use as finishing coat After allowing for a drying time for the basecoat of 1 day/mm, 14 days minimum, Rajasil Trasskalkputz can be applied as finishing coat for various render finishes:</p> <p>“Altdeutscher Putz“, traditional “old German style” finish (Trasskalkputz mittel): Using a trowel, throw on mortar evenly; afterwards, rework using a block brush and not too much water.</p> <p>Felt-float finish (Kalkputz fein): Finishing coat thickness 6mm max. Do not use too much water for felt-float finishing or smoothing. And, do not “over-finish” to prevent binder agglomerations on the surface.</p>				
<b>Application:</b>	<p><u>Render thickness:</u> On exterior surfaces, observe the overall render thickness (basecoat and finishing coat) of 20mm required by former DIN V 18 550.</p> <p>Per-coat render thickness:</p> <table border="1"> <tr> <td>Rajasil TKP</td> <td>8 - 15mm</td> </tr> <tr> <td>Rajasil TKP</td> <td>5 - 10mm</td> </tr> </table> <p><u>Water-repellent render systems:</u></p> <ol style="list-style-type: none"> <li>1. Apply a water-repellent mineral render, e.g. HECK Edelputz WD, as finishing coat.</li> <li>2. Non-water-repellent finishing coats, and renders with an open, grooved texture, receive an open-porous (permeable), water-repellent coating, e.g. Rajasil Silikat Fassadenfarbe, or an impregnation, e.g. Rajasil Siloxan-Fassadenimprägnierung, Rajasil Fassadenimprägnierung W.</li> </ol> <p><u>Wall bases:</u> <i>Refurbishment of old buildings:</i> On moist, salt-contaminated masonry, apply a Rajasil renovation render system, starting above grade, up to at least 80cm above moist or salt-contaminated areas (refer to Technical Data Sheets of Rajasil renovation render systems).</p> <p><i>New buildings:</i> For wall bases, we recommend Rajasil LSP.</p>	Rajasil TKP	8 - 15mm	Rajasil TKP	5 - 10mm
Rajasil TKP	8 - 15mm				
Rajasil TKP	5 - 10mm				
<b>After Treatment:</b>	Protect freshly applied render from premature dehydration (sun, wind, high temperatures), rain and frost. Due to the slow curing process, particularly careful after treatment is necessary in order to prevent premature loss of mixing water.				
<b>Subsequent Surface Coating:</b>	Paint coatings can be applied after the render has sufficiently cured. Waiting time depends on the curing tension properties of the coating system. Given a normal curing process, low-tension curing, open-porous systems, such as Rajasil SIF (Silikatfassadenfarbe), can be applied after approx. 14 days.				
<b>Notes:</b>	Due to the usage of mineral raw materials, follow-up deliveries may vary in colour shade. Only use material from the same production batch for continuous surfaces, especially if no surface coating is performed. 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. Under adverse conditions, the possibility of the formation of micro-organisms, such as algae, cannot be ruled out if product is used as finishing coat; this does not constitute a reason for complaint.				
<b>Safety Instructions:</b>	Rajasil Trasskalkputz contains hydraulic lime and thus reacts alkaline when fresh. Avoid contact with eyes and skin. Protect eyes and skin. If product gets on skin, wash off immediately. If product gets in eyes, thoroughlyrinse with water immediately and seek medical attention. Wear suitable protective gloves. If product is swallowed, seek medical attention immediately. Keep product out of the reach of children. For further information see Safety Data Sheet.				
<b>Storage:</b>	Store in dry place; shelf-life in original container: approx. 9 months.				
<b>Quality Control:</b>	Constant monitoring of production through laboratory analyses.				



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