

## Technical Data Sheet

# Rajasil HP

(Bonding Plaster)

<b>Rajasil HP:</b>	Dry factory-mixed mortar P IV on a gypsum-lime base according to former DIN V 18 550 for manual interior application colour: off-white				
<b>Properties:</b>	can be felt-float finished and smoothed				
<b>Areas of Application:</b>	This mortar is specially suited for the one-coat plastering of interior wall and ceiling surfaces made with brickwork in accordance with DIN 1053 or concrete in accordance with DIN 1045. Not suitable for application in damp rooms, but can be used in residential kitchens and bathrooms. Near showers or in similar areas exposed to excessive moisture, usage of a lime cement bonded plaster is recommended. Responsibility for any usage outside these areas of application lies solely with the user.				
<b>Composition:</b>	Gypsum; white lime hydrate; carefully selected limestone sands up to a 1mm max. grain size				
<b>Technical Data:</b>	<table border="1"> <tr> <td>water vapour permeability coefficient <math>\mu</math>:</td> <td>approx. 10</td> </tr> <tr> <td>compressive strength:</td> <td>2.0 N/mm<sup>2</sup> minimum</td> </tr> </table>	water vapour permeability coefficient $\mu$ :	approx. 10	compressive strength:	2.0 N/mm <sup>2</sup> minimum
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<b>Coverage:</b>	approx. 1.4kg dry mortar / m <sup>2</sup> / mm plaster thickness				
<b>Substrate/Preparation of the Substrate:</b>	Masonry; rough, absorbent concrete surfaces. Make sure substrate is dry, free from frost, stable, absorbent and free from separating agents. Shrinkage and moisture release processes of concrete elements must be near completion. Check substrate in accordance with DIN 18 350. Knock off mould marks/flashings from concrete surfaces. On smooth, inadequately-absorbent concrete surfaces apply HECK UG. Prime plasterboard with Rajasil TG W and HECK UG. Treat highly or unevenly absorbent substrates, such as aerated concrete, once with Rajasil TG W.				
<b>Application and Substrate Temperature:</b>	+ 5 °C minimum; lower temperatures during the curing phase can have a sustained negative effect on product properties. With high temperatures (and/or strong wind), additional measures are necessary to prevent premature loss of mixing water.				
<b>Application:</b>	Rajasil HP can only be applied manually. Application thickness: 5 to 15mm; on concrete ceilings 15mm max. on plasterboard 5mm Mix mortar and tap water and adjust to a plastic consistency, allowing for the required application thickness. Apply mortar using steel float, straightedge or trowel and level with smoothing board (h-profile feather edge). Smooth surface with trowel during setting process; then perform initial felt-finishing (manually or using felting tool); when surface becomes matt, felt-finish to desired appearance. Perform a separating cut between plastered wall and ceiling surfaces; this helps prevent damages to the plaster due to structural movements. Do not apply Rajasil HP in two coats, i.e. onto a layer of bonding plaster that has already set. From start of application to felt-finishing: 45 to 60 minutes. Plaster must be applied within 20 minutes. On surfaces prone to tearing/cracking, e.g. roller shutter casings, embed Rajasil AGG into upper third of plaster layer; allow edges to overlap at least 10cm.				
<b>After Treatment:</b>	Protect from frost.				
<b>Surface Coating:</b>	After plaster has cured and dried completely; coat with any conventional paint coat or wallpaper; thinlayer HECK finishing coats or suitable ceramic claddings require priming with Rajasil TG W and HECK UG. Please observe the respective Technical Data Sheets.				
<b>Notes:</b>	If, after plastering work, application of hot-rolled asphalt is planned, provide ample ventilation to prevent thermal stress.				
<b>Cleaning of Tools:</b>	immediately after use, with water				

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**Safety Instructions:**

Rajasil HP contains 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, thoroughly rinse with water immediately and seek medical attention. Keep product out of the reach of children. For further information, see Safety Data Sheet.

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**Storage:**

Store in a dry place; shelf-life in original container: approx. 3 months. Longer storage or inadequate storage conditions can have negative effects on setting properties.

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**Quality Control:**

Constant monitoring of production through laboratory analyses.

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