

Technical Data Sheet

Rajasil LDP

(Decorative Loam Plaster)

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| Rajasil LDP:: | <p>Fine-grained, coloured loam plaster with excellent building physics and building biology properties.</p> <p>Rajasil LDP is a component of the Rajasil LP system.</p> <p>Rajasil LDP is available in 12 colours.</p> <p>Colours can be mixed.</p> | | | | |
| Properties: | <p>Like all Rajasil loam plaster products, Rajasil LDP has highly advantageous properties in terms of building physics after curing (more detailed information and test results on request).</p> <p>Rajasil LDP is vapour permeable, has excellent moisture-regulating properties as well as a very low moisture content equilibrium.</p> <p>The Rajasil LP system significantly contributes to a healthy living environment.</p> | | | | |
| Areas of Application: | <p>Rajasil LDP is suitable for interior use during the renovation of older and historical buildings as well as for ecologically aware new constructions. Thin-layer finishing coat on Rajasil LP and other basecoats and drywall substrates, e.g. cement-fibre board or plasterboard. In order to obtain optimum building physics properties, we recommend applying the Rajasil LP system with a minimum thickness of 20mm. On building boards, thin-layer application only.</p> <p>Responsibility for any usage outside these areas of application lies solely with the user.</p> | | | | |
| Composition: | even composition of multiple clays; natural sands; maximum grain size approx. 0.5mm; natural pigments | | | | |
| Technical Data: | <table border="1"> <tr> <td>vapour permeability resistance coefficient μ</td> <td>8</td> </tr> <tr> <td>moisture absorption (for an increase of relative humidity from 50 to 80%)</td> <td>> 110 g/m²</td> </tr> </table> | vapour permeability resistance coefficient μ | 8 | moisture absorption (for an increase of relative humidity from 50 to 80%) | > 110 g/m ² |
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| Coverage: | approx. 1.5kg powder / m ² / mm plaster thickness | | | | |
| Substrate: | In order to optimally benefit from the excellent building physics properties of Rajasil LDP, we recommend using Rajasil LP COARSE as basecoat (see Technical Data Sheet). | | | | |
| Preparation of the Substrate: | <p>Prior to the application of Rajasil LDP, screed basecoat (Rajasil LP) and level/roughen (using robot plaster plane) if necessary; make sure basecoat is dry.</p> <p>Prime cement-fibre board and plasterboard first with Rajasil TG W, then apply a bonding bridge, e.g. a thin, roughened layer of HECK K+A.</p> <p>Existing mineral plasters must be rough, absorbent, structurally sound and free from separating layers.</p> <p>Prime unevenly-absorbent substrates with Rajasil TG W.</p> <p>Any plaster beads and mounting elements used may become visible through changes in color.</p> <p>In case plaster beads must be used, we recommend products made from stainless steel or aluminum.</p> <p>Zinc-plated beads and mounting elements must be coated with HECK UG.</p> | | | | |
| Application and Substrate Temperature: | + 5 °C minimum | | | | |
| Preparation of the Product: | <p>Mix Rajasil LDP in a clean mortar bucket with the required amount of water until a lump-free consistency is obtained (allow to sit for 5 to 10 minutes, then stir again).</p> <p>Please note:</p> <p>Avoid even minor contaminations of the mortar with gypsum, lime or cement, as this significantly reduces the bonding properties of the loam. Make sure machinery and tools are clean.</p> | | | | |
| Application and Surface Treatment: | <p>Rajasil LDP is trowelled on in a 3 to 5mm thickness using a steel trowel; work surface with sponge float during setting process.</p> <p>After surface has dried, loose sand grain can be wiped off by hand or with a hand brush.</p> | | | | |
| After Treatment: | Protect freshly applied plaster adequately from premature dehydration and frost. | | | | |
| Drying time: | <p>Provide for adequate drying conditions (e.g. dehumidifier).</p> <p>Allow for a drying time of 1 to 2 days per mm of plaster thickness (at approx. 20 °C; rel. humidity 60%).</p> | | | | |
| Notes: | <p>Due to the usage of mineral raw materials, follow-up deliveries may vary in colour shade.</p> <p>For continuous surfaces only use material from the same production batch.</p> | | | | |
| Safety Instructions: | Avoid contact with eyes. Product is non-detrimental to health and non-allergenic. | | | | |

Storage:

Unlimited shelf-life if stored in a dry place in original container.

Quality Control:

Constant monitoring of production through laboratory analyses.



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