

Technical Data Sheet

Rajasil Brandenburger Putz

("Brandenburg style" Render)

Rajasil Brandenburger Putz:	Air-hardening lime bonded, cement-free dry factory-mixed mortar GP CS I, W 0 in accordance with DIN EN 998-1 (P I according to former DIN V 18 550) Colour: off-white ("altweiß")																
Properties:	Rajasil Brandenburger Putz is open-porous and has sufficient early strength and moderate final strength properties.																
Areas of Application:	Exterior and interior rendering and plastering, among others, for: – various finishes (smoothed, washed, floated, felted) – run plasterwork – facade ornaments, cornices – plaster carving techniques Not for high up and/or extremely exposed surfaces (e.g. steeples) and structures of driving-rain exposure category II + III in accordance with DIN 4108 without any additional protective measures (roof overhang, water-repellent coating etc.). Not suitable for wall base application! Responsibility for any usage exceeding these areas of application lies solely with the user.																
Composition:	White lime hydrate; pozzolanic silica; sands with historically authentic grain-size distribution curve* Rajasil Brandenburger Putz (COARSE): max. grain size approx. 4mm Rajasil Brandenburger Putz mittel (MEDIUM): max. grain size approx. 2mm Rajasil Brandenburger Putz fein (FINE): max. grain size approx. 1mm																
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Yield:	Rajasil Brandenburger Putz grob: 10kg dry mortar equal approx. 6.5 litres wet mortar Rajasil Brandenburger Putz mittel and fein: 10kg dry mortar equal approx. 7 litres wet mortar																
Coverage:	approx. 1.5kg dry mortar / m ² / mm of render thickness																
Suitable Substrate:	structurally sound, mineral, evenly absorbent substrate meeting the requirements of DIN 18 350 and former DIN V 18 550																
Preparation of the Substrate:	Remove dust, loose particles and separating layers from substrate. Onto non-structurally-sound substrate, install suitable plaster base/lath, e.g. Stauss-Fassadenmatte. On loam masonry and on loam substrates inside timber framings, especially new loam bricks, the installation of a plaster base/lath is recommended because of the hygric shrinkage and swelling of the substrate. Moisten substrate. With smooth, stable and low-absorbent substrates, apply a bonding bridge using Rajasil Spritzbewurf in a web-like pattern (covering approx. 50% of the surface).																
Application and Substrate Temperature:	+ 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. Please note: Pure lime mortars require a longer curing period than hydraulic renders. In order to prevent frost-related damage due to insufficient curing, do not apply to exterior surfaces in autumn.																
Preparation of the Product:	Mix Rajasil Brandenburger Putz manually in a clean mortar bucket, or using a power stirrer or a hopper mixer. Machine application is also possible.																

Application:	<p>Prior to actual render application, cast hollow areas, holes and larger indentations with Rajasil Brandenburger Putz grob and allow to harden; roughen surface during the stiffening process.</p> <p>Onto sufficiently prepared, moistened, pale damp substrate, Rajasil Brandenburger Putz is applied in at least two coats; roughen surface during stiffening process.</p> <p>Typically, the lower coat is applied in two layers wet-on-damp.</p> <p>The second coat is applied in a thinner layer thickness.</p> <p>Maximum per-coat thickness:</p> <table> <tr> <td>Rajasil Brandenburger Putz grob:</td> <td>20mm</td> </tr> <tr> <td>Rajasil Brandenburger Putz mittel:</td> <td>15mm</td> </tr> <tr> <td>Rajasil Brandenburger Putz fein:</td> <td>10mm</td> </tr> </table>	Rajasil Brandenburger Putz grob:	20mm	Rajasil Brandenburger Putz mittel:	15mm	Rajasil Brandenburger Putz fein:	10mm
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Surface Treatment:	<p>Surface can be worked over for e.g. a floated, felted or washed finish.</p> <p>For application, levelling and float-finishing, the use of wooden tools is recommended.</p>						
After Treatment:	<p>Protect freshly applied render adequately from premature dehydration (sun, wind) and from rain and frost.</p> <p>Due to the slow curing process, careful after treatment is necessary in order to prevent premature loss of mixing water.</p> <p>Please note: With purely lime-bonded renders, the possibility of shrinkage cracks cannot be ruled out (see WTA Recommendation 2-4-07), especially with smoothed and felt-float finished surfaces.</p>						
Subsequent Surface Coating:	<p>Rajasil Kalkfarbe can be applied directly onto fresh Brandenburger Putz or after render has dried. Given a normal curing process, low-tension curing, open-porous systems, such as Rajasil Silikat-Fassadenfarbe, can be applied after approx. 6 weeks.</p> <p>Apply paint on Rajasil Brandenburger Putz in several thin-layer coats (at least one prime and top coat respectively).</p>						
Notes:	<p>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.</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>						
Safety Instructions:	<p>Rajasil Brandenburger Putz contains lime and thus react alkaline when fresh. Avoid contact with eyes and skin. If product gets in eyes, thoroughly rinse with water immediately and seek medical attention. If product is swallowed, seek medical attention immediately.</p> <p>Wear protective gloves and protective goggles.</p> <p>Keep product out of the reach of children.</p> <p>For further information see Safety Data Sheet.</p>						
Storage:	<p>store in a dry place; shelf-life in original container: approx. 9 months.</p>						
Quality Control:	<p>Constant monitoring of production through laboratory analyses.</p>						



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