

Technical Data Sheet

Rajasil LSP

(Lightweight Render for Wall Bases)

Rajasil LSP:	<p>mineral basecoat render and finishing coat; dry factory-mixed mortar LW, CS II, W 2 in accordance with DIN EN 998-1 (P II according to former DIN V 18 550)</p> <p>lightweight render TYPE I (in accordance with the guidelines on render application on masonry and concrete; "Leitlinien für das Verputzen von Mauerwerk und Beton"; German version only)</p> <p>colour: grey</p>
Properties:	<p>low-tension curing; can be applied manually or using plastering machine; highly water vapour permeable; water-repellent</p>
Areas of Application:	<p>For exterior application on wall bases, especially on lightweight masonry. Due to its composition, this material is especially suitable for application on highly thermally insulating masonry - lightweight clay brick, aerated concrete etc. -, where conventional P III wall base renders cannot be used due to their high strength.</p> <p>Responsibility for any usage outside these areas of application lies solely with the user</p>
Composition:	<p>white lime hydrate; cement; carefully composed limestone sands; maximum grain size approx. 2.0mm; lightweight mineral aggregates; admixtures for optimal workability and water-repelling properties</p>
Technical Data:	<p>– thermal conductivity value λ_R (DIN 4108): 0.40 W/(m·K)</p> <p>– water vapour permeability coefficient μ: approx. 15</p>
Coverage:	<p>approx. 1.3kg dry mortar / m² / mm of render thickness</p>
Substrate/Preparation of the Substrate:	<p>All substrates must be dry, stable, structurally sound, free from dust and frost, absorbent, and free from separating substances (e.g. formwork oils). Thoroughly moisten normally absorbent masonry (clay brick). On non-structurally-sound substrates install a suitable plaster base. Knock mould marks/flashings off concrete surfaces. Concrete surfaces and low-absorbent substrates require Rajasil SPB, applied in a web like pattern, as bonding bridge; mixed masonry requires a fully-covering coat of Rajasil SPB. Prime aerated concrete (highly absorbent) with Rajasil TG W. Level hollow joints, flaws in the masonry and indentations prior to actual render application; trowel flush with the surface, comb scratch during setting process and allow to cure.</p>
Application and Substrate Temperature:	<p>+ 5 °C minimum; lower temperatures during the curing phase can have a sustained negative effect on product properties.</p> <p>With high temperatures (and/or strong wind), additional measures are necessary to prevent premature loss of mixing water.</p>
Application:	<p>Application thickness: minimum 8mm, max. 20mm per coat</p> <p>Add dry mortar to required per-bag amount of tap water in a clean mortar bucket and manually or using a power stirrer mix to a lump-free consistency.</p> <p>Application using mixing pumps is also possible (use of a secondary mixer is recommended). Apply Rajasil LSP onto prepared substrate in two passes. First, apply a render layer of approx. 8 to 10mm thickness. Once this layer begins to set, apply a second layer wet-on-damp to obtain the required render thickness.</p> <p>On surfaces prone to tearing/cracking, embed Rajasil AGG into upper third of render layer; make sure edges overlap by at least 10cm.</p> <p>Curing time prior to application of additional coatings: at least 1 day per mm of render thickness, depending on curing and drying conditions.</p> <p>Surface treatment:</p> <ul style="list-style-type: none"> – If a finishing coat using e.g. Rajasil HM or HECK SHP is applied, vertically and horizontally level and smooth surface with h-profile feather edge (smoothing board) immediately after render application. – If no finishing coat is applied, the mortar can be textured with trowel and block brush or smoothed with felt float after levelling.
After Treatment:	<p>Protect freshly applied mortar from premature loss of mixing water (sun, wind, high temperatures), and from frost and rain.</p>
Surface Coating:	<p>water-repellent Rajasil and HECK finishing coats that are suitable for wall base application; as well as Rajasil HM or HECK K+A as a fine smoothing layer" in 2 to 3mm thickness On wall bases and surfaces exposed to splash water, apply a water-repellent and open-porous coating system consisting of two-coat priming with Rajasil NIG and two-coat application of Rajasil SHF. Protect render system on surfaces in contact with the ground from rear moisture intrusion. For this, use Rajasil DS FLEX. On wall bases, only apply water-repellent renders and coatings that are suitable for use on wall bases.</p>

Notes:	<p>To prevent damages to render, we recommend the exclusive use of water-repellent finishing coats on exterior surfaces. In this way a water-repellent render system in accordance with DIN 18 550 is obtained.</p> <p>Use as finishing coat:</p> <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 factors, e.g. UV impact, 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>
Safety Instructions:	<p>Rajasil LSP contains lime and cement and thus reacts alkaline. Avoid contact with 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. If product is swallowed, seek medical attention immediately. Wear suitable protective gloves during work. Keep product out of the reach of children. For further information see Safety Data Sheet.</p>
Storage:	<p>Store in a dry place; shelf-life in original container: approx. 9 months. Low chromate conforming to TRGS 613</p>
Quality Control:	<p>Constant monitoring of production through laboratory analyses.</p>



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