

Technical Data Sheet

Rajasil USP

(multi-purpose compound)

Rajasil USP:	dry factory-mixed mortar; repair, levelling and bonding compound; GP, CS IV, W 0 in accordance with DIN EN 998-1 (P III in accordance with DIN 18 550)				
Properties:	hydraulically setting, fast-curing putty; easy to apply; water-repellent and frost-resistant after curing. colour: grey				
Areas of Application:	<ol style="list-style-type: none"> concrete putty e.g. for the removal of rock pockets, blow holes; repair work on damaged edges; also suitable for lightweight concrete and aerated concrete elements levelling compound for wall and ceiling surfaces made of concrete, smooth-surface masonry and cement render prior to the laying of ceramic tiles and panels using the thin-bed method (interior walls only) fast-curing joining mortar for plaster mouldings precision putty on stable substrates; application thickness 3 to 5mm fast-curing bonding adhesive for the installation of thermal insulation boards and plasterboard Not approved for use as bonding mortar for insulation boards during insulation with HECK Dämmsystemen. <p>Responsibility for any usage outside these areas of application lies solely with the user.</p>				
Composition:	cement; carefully composed quartz sand grain and admixtures for improving adhesion and workability; max. grain size approx. 0.5mm				
Coverage:	<table border="1"> <tr> <td>depending on substrate:</td> <td>approx. 1.5kg per m² and mm of layer thickness</td> </tr> <tr> <td>adhesive bonding of insulation boards:</td> <td>approx. 4.5kg per m²</td> </tr> </table>	depending on substrate:	approx. 1.5kg per m ² and mm of layer thickness	adhesive bonding of insulation boards:	approx. 4.5kg per m ²
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Substrate:	Substrates have to be stable, structurally sound, clean, free from dust and separating substances, and dry on the surface. Soft renders and gypsum plasters are unsuitable.				
Preparation of the Product:	Highly absorbent substrates require a prime coat with Rajasil TG W.				
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.				
Preparation of the Product:	In a clean receptacle, approx. pour 3 volumes of Rajasil USP into approx. 1 volume of tap water and mix to a lump-free consistency.				
Application:	Fill larger unevennesses, holes, cracks etc. with a mix consisting of Rajasil USP and max. 40 percent of dry, washed quartz sand (e.g. crystal quartz sand) prior to application of the putty. Once the putty mortar inside the recesses has set, apply a thin layer of Rajasil USP first. Then, proceed with application of the putty as required in a maximum thickness of 5mm per application pass. The surface can be treated with felt float or sponge during the setting process. A smooth surface can be obtained by using a levelling trowel. Once mortar has begun to set, do not re-temper.				
Safety Instructions:	Rajasil USP contains lime and cement and thus reacts alkaline when fresh. Avoid contact with eyes or 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. If product is swallowed, seek medical attention immediately. Wear suitable protective gloves. Keep product out of the reach of children. For further information see Safety Data Sheet.				
Storage:	Store in a dry place; shelf-life in original container: approx. 9 months. Longer storage or inadequate storage conditions can have negative effects on setting properties.				
Quality Control:	Constant monitoring of production through laboratory analyses.				



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