



Technical Data Sheet

Rajasil EP WD

(Decorative Render)

Rajasil EP WD: Dry factory-mixed mortar CS I, CR, W2 in accordance with DIN EN 998-1 (P I according to former DIN V 18 550) for thick-layered mineral finishing coats
For available render types, see "Coverage".

- Properties:**
- highly water vapour permeable; carbon dioxide permeable
 - water-repellent
 - can be applied without priming
 - colours: white or according to Colfirmat Rajasil colour tone scale; other colours on request

Areas of Application: For exterior and interior use; not suitable for wall base application; render type Besenwurf (splatterdash) cannot be used on HECK HECK insulation systems EPS / MW / L-MW and Rajasil SP2/SP3 renovation renders.
The responsibility for any usage exceeding these areas of application lies solely with the user.

Composition: White lime hydrate, white cement, carefully composed quartz- or jurassic grit, hydrophobising admixtures, mineral pigments

Technical Data: water vapour permeability resistance coefficient μ : approx. 12

Coverage:

Available render types	grain size	Coverage (approx.; kg/m ²)	Application thickness (approx.; mm)	Render thickness after scraping (approx.; mm)
Kratzputz mittelfein (scraped finish, medium-fine)*	approx. 2.5mm	16-20	13	9
Kratzputz mittel (scraped finish, medium)	approx. 4.0mm	20-25	15	11
Kellenwurf fein (roughcast/wet dash, fine)	approx. 3.0mm	6-8	5	
Kellenwurf mittel (roughcast/wet dash, medium)	approx. 6.0mm	10-12	8	
Kellenwurf grob (roughcast/wet dash, coarse)	approx. 8.0mm	14-16	10	
Münchener Rauputz mittel (grooved, traditional "Munich style" finish, medium)	approx. 6.0mm	8-10	6	
Altdeutscher Putz mittel (traditional "old-German style" finish, medium)*	approx. 3.2mm	12-14	9	
Scheibputz fein (float-finish, fine)*	approx. 1.5mm	6-8	4	
Scheibputz mittelfein (float-finish, medium-fine)*	approx. 2.5mm	7-9	6	
Scheibputz mittel (float-finish, medium)*	approx. 4.0mm	10-12	8	
Besenwurf (spatterdash)	approx. 1.5mm	3,5-4,5	3	

Render types marked with an asterisk (*) can be applied using a suitable mixing pump. Coverage data are averaged values based on practical experience. Depending on application thickness and substrate, coverage may vary slightly.

Application and Substrate Temperature: + 5 °C minimum; lower temperatures during the curing phase can have a sustained negative effect on product properties.
With high environmental temperatures (and/or strong wind), additional measures are necessary to prevent premature loss of mixing water.

Substrate/Preparation of the Substrate: Mineral renders CS II-IV in accordance with DIN EN 998-1 (R I, III according to former DIN V 18 550).
We recommend using Rajasil undercoats, as their technical specifications have been specially designed towards usage with Rajasil EP WD.
Always cover work area thoroughly before starting. The substrate must be free of cracks, level, clean, free of dust and grease, solid and dry. Do not felt float undercoat; trowel up evenly and comb up/key horizontally; do not prime water-repellent substrates; pre-wet absorbent substrates accordingly.
Perform keying only after sinter skin has formed.
Undercoats must have hardened (refer to relevant Technical Data Sheet for curing time). If applicable, apply render profiles with a fast-curing cement mortar (Rajasil USP). Pre-wet undercoat thoroughly according to absorbency and weather conditions.

Application:

Mix entire content of container and required amount of tap-water in a clean mortar bucket to a lumpfree consistency. Add mixing-water steadily and in even dosages.

Kratzputz:

Throw on mortar evenly using a trowel or spray-apply by machine. Level using straightedge, screed board or trowel. If grain "jumps" during scraping without mortar sticking to the grain, scraping can be performed. Afterwards, sweep with a soft broom.

Note: Pigment agglomerations exposed by scraping can be washed out by rain, leaving visible flow traces; this applies in particular to strongly coloured renders. Normally, scraped-finish Edelputz is not paint-coated. With scraped-finish renders especially, low temperatures and high humidity can lead to lime efflorescence.

Münchner Rauputz:

Throw on decorative render and spread/smooth out to grain-size layer-thickness to get desired texture (horizontally, vertically or in circular pattern).

Kellenwurf:

Evenly throw on mortar wet-on-damp twice for a consistent, uniform texture.

Altdeutscher Putz:

Throw on mortar evenly. After render has begun to set, finish to desired texture with painter's brush.

Scheibputz:

Throw on mortar evenly; finish evenly using wooden float or plastic float; do not use felt float!

Besenwurf:

Using suitable machinery, e. g. BERÖ Förderpumpe Speedy 15/20, pre-apply to saturation by spray-application in a first cycle. Then, in a second work step, spray-apply wet-on-damp.

Application is also possible using a spatterdash spray-applicator performing at least 3 cycles.

Curing time approx. 1 day per mm of render thickness, 10 days minimum. Cool or moist weather conditions prolong curing time.

Curing/After Treatment:

During curing, protect mortar from premature dehydration (sun, wind, high temperatures), frost and rain.

Subsequent Surface Coating:

Suitable are water vapour permeable, water-repellent coating systems, such as Rajasil SIF (Silicate Facade Paint) or Rajasil SHF. Normally (favourable weather conditions), these can be applied after a period of approx. one week.

Notes:

Do not work during intense sunlight (shield work area).

When applied to non-water-repellent undercoats, such as lime renders, the whole system will be classified as "non-water-repellent"!

Clean tools and equipment immediately after use with water.

On principle, with coloured EP WD renders an equalising paint coat is always deemed necessary, with the exception of the Kratzputz type. This paint coat has to be included in invitations to tender and in quotations. In agreement with the client, on-site application can then be made dependent on whether or not the desired aesthetic effect necessitates such a coating. (Information Sheet: Egalisationsanstrich auf Edelputzen ("Equalising Paints on Decorative Renders"), published by Bundesverband der Deutschen Mörtelindustrie e.V.). Paint-coating scratched-finish renders alters the texture of the render.

The final colour effect after application depends on texture-type and curing conditions (weather, substrate). If the product is applied during humid weather and/or low temperatures, colour tone divergences (markedly darker tone) or spots caused by lime efflorescence are possible. We recommend refraining from applying the product in such conditions.

Due to the usage of mineral raw materials, follow-up deliveries may vary in colour shade.

For continuous surfaces use only material from the same production batch, especially when no surface coating is performed. If possible, avoid follow-up deliveries. When placing a follow-up order, please make sure to provide: the date of your initial order, the batch number, as well as the shipping note/invoice number. Always mix newly supplied material and possible leftovers thoroughly.

Variations in colour shade or 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. Under disadvantageous conditions, the minor possibility of the formation of micro-organisms, such as algae, exists; this does not constitute a reason for complaint.

Safety Instructions:

Rajasil EP WD contain lime and cement and thus react alkaline when fresh. Avoid contact with eyes and skin. If product gets on skin, wash off immediately. If product gets in eyes, thoroughly rinse with water and seek medical attention. If product is swallowed, seek medical attention. 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: 9 months.

Quality Control:

Permanent monitoring of production through laboratory analyse; regular interval interior and exterior controls.



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