

Technical Data Sheet

Rajasil Sperrputz

(Sealing Render)

Rajasil Sperrputz: Dry factory-mixed mortar GP, CS IV, W 2 in accordance with DIN EN 998-1 (MG III water repellent according to former DIN V 18 550) for wall bases and levelling render layers prior to the application of a waterproofing layer.

Areas of Application:

- for use on wall bases when substrate is sufficiently stable
- for use on interior and exterior basement walls as a base for the waterproofing layer
- for use at horizontal damp-proof barriers
- for the creation of concave mouldings

The responsibility for any usage exceeding these areas of application lies solely with the user.

Composition: Cement, carefully composed aggregates, admixtures for improved sealing and workability properties
 Maximum grain size: 1.5mm
 Colour: grey

Technical Parameter

Mortar group	GP, CS IV in accordance with DIN EN 998-1
Gross density of set mortar	1,3 – 1,4 kg/dm ³
Flexural strength	1,5 – 2,5 N/mm ²
Compressive strength	approx. 7,0 N/mm ²
e-module	7500 – 8500 N/mm ²
Calculation value for thermal conductivity λ_R (DIN 4108)	0,87 W/(m·K)
w-value	< 0,5 kg/m ² h ^{0,5}
c-value	< 0,20 kg/(m ² x min ^{0,5}), W2 nach DIN EN 998-1
μ -value	approx. 20

Coverage: approx. 1.5 kg/m²/mm

Preparation of the Substrate: Sufficiently stable, structurally sound masonry
 Thoroughly pre-wet highly absorbent substrates.
 Apply Rajasil Spritzbewurf fully-covering.
 If masonry is uneven, fill large hollows and holes with Rajasil Sperrputz. Thoroughly roughen surface horizontally. Allow filled areas to cure sufficiently before continuing work.

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.

Preparation of the Product: Mix Rajasil Sperrputz and clean water in a mortar bucket using a high-performance power stirrer, a hopper mixer or a turbomixer. The use of suitable mixing pumps is also possible.

Application: Apply manually or using a suitable plastering machine. Throw-on mortar, level, and – if necessary – felt-float finish during the stiffening process.
 If application is done in several layers, thoroughly roughen each respective preceding layer.
Render thickness:
 Minimum thickness including scratch coat 1.0cm
 Maximum per-layer thickness 1.5cm

After Treatment: Protect fresh render from premature dehydration (sun, wind, high temperatures), rain and frost.

Subsequent Surface Coating: Suitable for application onto Rajasil Sperrputz are mineral or bituminous sealings:
 Rajasil DS (Dichtungsschlämme starr)
 Rajasil DS FLEX (Dichtungsschlämme flexibel)
 Rajasil 2K DB (2 K-Dickbeschichtung)
 (please refer to each product's Technical Data Sheet)

Notes:	<p>Due to the usage of mineral raw materials, follow-up deliveries may slightly vary in colour shade. We therefore strongly recommend to only use material from the same production batch for continuous surfaces, especially when no surface coating is planned.</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 when product is used as finishing coat; this does not constitute a reason for complaint.</p>
Safety Instructions:	<p>Rajasil Sperrputz contains cement and thus react alkaline when fresh. Avoid contact with eyes and skin. Protect eyes and skin. If product gets on skin, wash of immediately. If product gets in eyes, thoroughly flush with water immediately and seek medical attention. Wear suitable protective gloves. If product is swallowed, seek medical attention immediately.</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. 6 months.</p> <p>Low chromate conforming to TRGS 613</p>
Quality Control:	<p>Constant monitoring of production through laboratory analyses.</p>



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