

Technical Data Sheet

Rajasil Porengrundputz SP2

(Aerated Basecoat Render)

Rajasil Porengrundputz SP2: WTA certified aerated basecoat render GP CS II, W 0 in accordance with DIN EN 998-1 (P II according to former DIN V 18 550) for the Rajasil SP2 renovation render system. As a buffer layer it prevents dissolved salts from the brickwork from penetrating the freshly applied renovation render.

Areas of Application: As aerated basecoat render as part of the Rajasil SP2 renovation render system; also as levelling render layer for uneven masonry surfaces (e. g. for basements and exterior surfaces above grade)
The responsibility for any usage exceeding these areas of application lies solely with the user.
And useable as salt-storing render.

Composition: White lime hydrate, cement, carefully composed aggregates, lightweight mineral aggregates, admixtures for optimal workability
Maximum grain size: approx. 2mm
Colour: grey

Technical Data: Rajasil Porengrundputz SP2 meets the requirements of WTA Recommendation 2-9-04/D:

air void content	> 25 volume percent
water vapour permeability resistance coefficient m	< 18
capillary water absorption W_{24}	> 1.0 kg/m ²
water penetration depth h	> 5.0 mm
porosity	> 45 volume percent

Coverage: approx. 10kg of dry mortar per m² per cm of render thickness
Additional quantities of the product are required when filling joints of up to 2cm depth; average value for brick masonry:
extra consumption: 8kg of dry mortar per m²
When using a plastering machine, this can – depending on the machine type – also result in a slight increase in product consumption.

Preparation of the Substrate: Remove existing render up to a distance of at least 80cm above moist areas and efflorescences. If there are visible traces of a previous render replacement further up, remove render up to this line. Rake out brittle joint mortar to a depth of approx. 2cm. Thoroughly clean brickwork and remove dust. Clean away chipped-off, salt-contaminated material immediately.
Apply Rajasil Spritzbewurf SP3 as a bonding bridge (see Technical Data Sheet Rajasil Sanierputz SP3).

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: Ad dry mortar to required amount of water and mix to a lump-free consistency in a clean mortar bucket using a power stirrer.
Machine processing
All conventional mixing pumps can be used. Depending on machine type, the use of a secondary mixer may be required. The decisive factor here is that the above-mentioned fresh mortar properties as per WTA Recommendation 2-9-04/D are obtained.

Application: Using conventional techniques apply Rajasil Porengrundputz SP2 fully-covering either manually or with a plastering machine. Thoroughly roughen the surface without penetrating too deeply. Roughening is performed during the stiffening process, after the render surface has become pale-damp in appearance. If roughening is performed too soon, the risk of sinter skin formation exists, which will inhibit the adhesion of the renovation render layer to be applied next.

Render thickness:

10 to 30mm per layer; the minimum thickness of 10mm has to be observed at all times.
With highly rugged masonry surfaces, the filling of large indentations and wide joints with Porengrundputz may be necessary prior to the application of the actual render layer. Roughen the surface. Curing time needed before proceeding: 1 day per mm of render thickness; or a minimum of 10 days with render thicknesses exceeding 10mm, depending on curing and drying conditions.

Finishing Coat: After Rajasil Porengrundputz SP2 has cured properly, cover it with Rajasil Sanierputz SP2 or Rajasil Sanierputz SP2 NEU (see Technical Data Sheet Rajasil Sanierputz SP2, Rajasil Sanierputz SP2 NEU).

After Treatment:	<p>Protect freshly applied aerated basecoat render from rain, premature dehydration (sun, wind, high temperatures) and frost.</p> <p>Drying and curing depends on environmental conditions. The environmental climate has to permit drying. Do not heat up interior spaces too quickly after tender application, however, in order to prevent tension cracks.</p>
Notes:	<p>– please observe Rajasil application guideline</p> <p>– clean tools with water immediately after use</p>
Safety Instructions:	<p>Rajasil Poregrundputz SP2 contains lime and cement and thus react alkaline when fresh. Avoid contact with eyes and skin. Protect eyes and skin. If product gets on skin, wash off immediately.</p> <p>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. 9 months.</p> <p>Low chromate conforming to TRGS 613</p>
Quality Control:	<p>Constant monitoring of production through laboratory analyses.</p> <p>The Rajasil SP2 renovation render system, with its components Rajasil Spritzbewuf Rajasil Poregrundputz SP2 Rajasil Sanierputz SP2 (fine, coarse, coloured) Rajasil Sanierputz SP2 NEU</p> <p>is certified by WTA: All requirements as laid down in WTA Recommendation 2-9-04/D, also those pertaining to internal and external controls, are met. The products may carry the WTA service mark.</p>



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