

Technical Data Sheet

Rajasil Dichtungsschlämme flexibel

(Sealing Slurry)

Rajasil Dichtungsschlämme flexibel:	One-component, cement-bonded, synthetic-resin-enhanced dry factory-mixed mortar for surface sealing
Properties:	high adhesiveness; resistant to aggressive impacts; frost-resistant after curing; cracks of up to 2 mm width can be worked over; can be render-coated (see Application); can be coated with silicon resin paint and dispersion paint
Areas of Application:	<ul style="list-style-type: none"> – exterior sealing of walls; loading cases soil moisture and percolating leachate – interior sealing and retrofitted interior sealing against outside moisture (floor panels and walls); loading case soil moisture and percolating leachate – splash water protection at wall bases – protection against moisture for plaster integrating into areas in contact with the soil – horizontal sealing inside and below rising walls – sealing of process water tanks of depths up to 5 m against water pressing from the inside <p>Subsequent cracks in the substrate of > 4 mm are bridged.</p> <p>The details of planning and execution as well as general feasibility of the application are loadingcase-, object-, and substrate-dependant.</p> <p>The responsibility for any usage exceeding these areas of application lies solely with the user.</p>
Coverage:	<p>Protection against moisture for render to be integrated into areas with soil contact approx. 1.7 kg/m² (at a dry layer thickness of 1 mm)</p> <p>Soil moisture and percolating leachate Horizontal sealing of walls Splash water protection at wall bases Sealing against exposure to water from the inside during construction approx. 3 kg/m³ (at a dry-layer thickness of 2 mm)</p> <p>Process water tanks approx. 4 kg/m³ (at a dry-layer thickness of 2.5 mm)</p>
Substrate:	<p>The substrate must have sufficient load-bearing capacity, be free of any irregularities and cracks (> 0.2 mm), largely level and dry and have a fine-pored surface.</p> <p><u>Suitable substrates:</u></p> <ul style="list-style-type: none"> – close-textured concrete of at least strength category B 15 in accordance with DIN 1045 – masonry (clay brick, lime sand brick, concrete blocks), flush-joint construction – plasters with sufficient load-bearing capacity, mortar group CS II to IV (P II und III) (e. g. Rajasil SPP (waterproof render); see Technical Data Sheet) – structurally sound, moisture resistant, flush-joint substrates in old buildings
Substrate Preparation:	<p>Remove all adhesion-inhibiting residue, such as dust, tar, pitch, formwork oil or old coatings. Roughen up smooth surfaces with e. g. compressed-air jets using a solid abrasive.</p> <p>Level cavities and rock pockets with Rajasil Universalspachtel (multi-purpose levelling compound). If necessary, break edges and create concave mouldings with Rajasil Sperrputz (waterproof render).</p> <p>Moisten absorbent substrate in advance.</p>
Application and Substrate Temperature:	+ 5 to + 25 °C; lower temperatures during the curing phase can have a sustained negative effect on product properties.
Product Preparation:	Prepare mixing water in clean container according to desired consistency (see table); slowly add dry factory-mixed mortar and mix to a lump-free consistency using a power stirrer.

Consistency	Water	Rajasil Dichtungsschlämme starr
For trowel application	approx. 3.1 litres	15 kg
For brush or spray application	approx. 3.9 litres	15 kg

Application:

Apply Rajasil Dichtungsschlämme flexibel fully-covering in at least two working cycles. The first layer is applied in a thin consistency (quantity of water required: 290ml/kg) using a wide brush or as a scratch coat. After the first layer has been dried, further layers are applied by means of troweling, brushing or spraying techniques until the required wet layer thickness has been reached.

Stress category	Minimum dry-layer thickness	Minimum wet-layer thickness
protection against moisture for plaster integrating into areas in contact with the soil; soil-moisture and percolating leachate; horizontal sealing of walls; splash-water protection at the wall-base; exposure to water from the inside during construction	2.0 mm	2.5 mm
Water tanks of a depth < 5m	2.5 mm	3.0 mm

If an additional plaster layer is applied using Rajasil SP2 (Sanierputz SP2) or Rajasil SP3 (Sanierputz SP3) or Rajasil ULP (Ultraleichtputz) as part of negative side waterproofing, the bonding course Rajasil SPB (Spritzbewurf) is applied in a net-like pattern wet-in-moist to a further contact layer using Rajasil DS FLEX (Dichtungsschlämme flexibel).

Please note:

Please observe the guideline on the planning and execution of waterproofing of construction elements in contact with the ground using synthetics-modified bituminous thick coatings (“Richtlinie für die Planung und Ausführung von Abdichtungen mit kunststoffmodifizierten Bitumendickbeschichtungen (KMB) – erdberührte Bauteile”), second issue, valid as at April 2006.

For information on an English-language version, please contact the publisher (Deutsche Bauchemie e.V.) directly.

Cleaning of Tools:

Immediately after use, with water.

Curing/After Treatment:

Protect freshly applied sealing slurry from premature dehydration (sun, wind, high temperatures), rain and frost.

Safety Instructions:

Rajasil Dichtungsschlämme contains cement and thus reacts alkaline when fresh. Avoid contact with eyes and skin. Protect eyes and skin. If product gets on skin, wash off immediately. If product gets in eyes, flush thoroughly with water immediately and seek medical attention. Wear suitable protective gloves. If product is swallowed, seek medical attention immediately. Keep product out of the reach of children. For further information, see Safety Data Sheet.

Storage:

Store in dry place; shelf-life in original container: approx. 9 months.

Quality Control:

Permanent monitoring of production through laboratory analyses; national technical approval (“allgemeine bauaufsichtliche Zulassung”).



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