

Technical Data Sheet

Rajasil Dichtungsschlämme flexibel

(Sealing Slurry)

Rajasil Dichtungsschlämme flexibel: single component, cement-bound, synthetic resin-coated, factory dried mortar for the manufacture of surface sealants in compliance with WTA leaflet "Subsequent sealing of building components which are in contact with the ground" 4-6, edition 01/2014/D, and the "Guidelines for the planning and implementation of building components with flexible sealing slurries which are in contact with the ground", 2nd edition, as on April 2006, as well as DIN 18531/18533.

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:**
- External sealing of walls, ground moisture and non-accumulating seepage water
 - Internal sealing and supplementary internal sealing against external water impact (Floors and walls)
 - Splash water protection in foundation area
 - Damp protection for the plastering integrated into the area which is in contact with the ground
 - Horizontal sealing in and below rising walls
 - Waterproofing against temporary internal water impact during building phase
 - Waterproofing against internal pressing water (container)
 - Waterproofing for water impact classes W1-E (only for concrete subsurfaces) and W4-E in accordance with DIN 18533
 - Waterproofing balconies and loggia in accordance with DIN 18531-5

Rajasil DS Flex is unable to bridge more than 0.2 mm moving cracks. If necessary any subsequently occurring cracks > 0.2 mm must be reworked.

The details of planning and execution as well as general feasibility of the application are loadingcase-, object-, and substrate-dependant.

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

Coverage:		
	Protection against moisture for render to be integrated into areas with soil contact	approx. 1.7 kg/m ² (at a dry layer thickness of 1 mm)
	Ground moisture and non-accumulating seepage water Water impact classes W1-E and W4-E in accordance with DIN 18533 Horizontal sealing of walls Splash water protection at wall bases Sealing against exposure to water from the inside during construction	approx. 3 kg/m ² (at a dry-layer thickness of 2 mm)
	pressing water (container), Waterproofing balconies and loggia in accordance with DIN 18531-5	approx. 4 kg/m ² (at a dry-layer thickness of 2.5 mm)

- Substrate:** 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.
- Suitable substrates:
- close-textured concrete of at least strength category C12/15
 - 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: 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.

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).

Moisten absorbent substrate in advance.

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
<ul style="list-style-type: none"> - 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 - Water impact classes W1-E and W4-E in accordance with DIN 18533 	2.0 mm	2.5 mm
<ul style="list-style-type: none"> - pressing water (container) - Waterproofing balconies and loggia in accordance with DIN 18531-5 	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).

Notes:

The layer is rainproof after approx. 5 hours in ideal drying conditions (+23 °C and 50% relative humidity) and is water-resistant after approx. 7 days (low temperatures and high humidity increase the indicated durations).

When planning the type of sealing, the water impact class, the splitting class and the room use class should be taken into account.

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. Ensure good ventilation. 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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