

Technical Data Sheet

Rajasil FM SLF

(Joint Mortar)

Rajasil FM SLF: Mineral based, dry factory mixed mortar G, M 20, W 2 in accordance with DIN EN 998-2 for the jointing of facing brickwork using the slurry application method

Properties: Hydraulically setting; easy to process; resistant to water and frost after curing

Areas of Application: Masonry made with concrete building blocks, facing bricks, low-absorbent natural stone; max. joint width: 20mm
Above-grade application; do not use on inclined or horizontal surfaces.
The responsibility for any usage exceeding these areas of application lies solely with the user.

Composition: Cement, quartz sands aggregates of a max. grain size of approx. 1mm; generally water-repellent additives and adhesive additive

Technical Parameters:

Mortar group	M 20 with DIN EN 998-2
Gross density of set mortar	1,8 kg/dm ³
Flexural strength	6 N/mm ²
Compressive strength	20 - 25 N/mm ²
e-module	20.000 – 25.000 N/mm ²
w-value	< 0,5 kg/m ² ·h ^{0,5}
μ-value	30 - 40

Coverage: 2 to 3 kg of dry mortar per m², depending on width and depth of joints
Determine exact coverage using test surfaces.
1kg of dry mortar yields approx. 0.8 litres of wet mortar.

Preparation of the Substrate: Remove loose and damaged joint mortar to a depth of at least 6mm; remove dust and loose particles from joints and brick edges.
Fill joints of a depth exceeding 10 mm using Rajasil FM in such a way that Rajasil FM SLF can be applied with a mean thickness of 10 mm.
After thoroughly cleaning the facade, pre-treat with Rajasil NIG; one pass; brush application is most suitable; observe Technical Data Sheet.

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 approx. 10 kg of Rajasil FM SLF and 1,5 - 2 litres of tap water in a clean, stainless container using a power stirrer. When mass is of a pasty consistency, allow to sit for 5 to 10 minutes, then stir again.

Application Time: Apply prepared material within 2 hours. Once the mortar has begun to set, do not stir up again.

Application: Using criss-cross application, wash-in Rajasil FM SLF with a hard-rubber sponge float using ample pressure (wait at least 24 hours after impregnation).

Notes: After delivery of the product, perform a jointing test first before starting with the actual jointing work. The final colour shade after drying and curing depends on the addition of water when preparing the product, as well as the curing conditions (weather) and surface treatment. Slight colour differences when compared to the sample can therefore not be ruled out and do not constitute a reason for complaint. In the case of follow-up deliveries, the exact same colour shade cannot be guaranteed.
In unsuitable curing conditions (low temperatures, high humidity) the possibility of calcium carbonate efflorescences cannot be safely ruled out, with strong colours in particular.
Variations in colour shade and surface texture over the course of time due to weather factors and environmental factors, e.g. atmospheric particles, are not covered by warranty. Technical functionality remains unaffected.

After Treatment: Protect freshly jointed masonry adequately from premature dehydration, strong sunlight, wind, rain and frost.
Cleaning using a fine-pored tiler's sponge can begin when the joint mortar on the brick surface starts to set. In a first cleaning step, work along the bed joint until a consistent, smooth appearance of the joints is obtained. In a second and third step work on the edges and contours of the bricks to bring them out in detail and, while doing so, remove any joint mortar sticking to edges, grooves and pores as well.

After Treatment :

All cleaning is essentially done alongside the bed joint in order to prevent any residual cement film on the brick face.

If, in places, some cement residue remains, it can be removed after the joint mortar has cured completely (the following day at the earliest) using a suitable cleaning agent (such as formic acid, acetic acid and commercially available cement residue removers) and a coarse brush.

After waiting the proper amount of time, impregnate using Rajasil NIG; see Technical Data Sheet.

Safety Instructions:

Rajasil FM SLF 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, thoroughly flush 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 a dry place; shelf-life in original container: approx. 9 months.

Quality Control:

External and internal controls at regular intervals.



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