

Technical Data Sheet

Rajasil FM SPF

(Joint Mortar)

Rajasil FM SPF:

Mineral based, dry factory mixed mortar G, M 5, W 2 in accordance with DIN EN 998-2 in accordance with DIN 1053-1) for the jointing of facing brickwork (natural stone, clinker bricks, etc.) with narrow joints. The dry mortar can be colourised according to samples taken from joints at the application site.

The final colour after drying and curing depends on curing conditions, the absorbency of the brickwork as well as surface treatment.

Properties:

Hydraulically setting; can be applied with special-purpose applicator gun; improved adhesion to sides of joints; low degree of shrinkage; reduced water absorption after curing; suitable for wall base application

Areas of Application:

Masonry made with concrete building blocks, facing bricks or natural stone; joint width: 5 to 20mm

Not suitable for horizontal surfaces, such as floorings

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. 0.5mm; water-repellent additives and adhesive additive

Technical Parameters :

Mortar group	M 5 with DIN EN 998-2
Gross density of set mortar	1,6 kg/dm ³
Flexural strength	4,0 N/mm ²
Compressive strength	10 - 12 N/mm ²
e-module	11.000 N/mm ²
w-value	< 0,5 kg/m ² ·h ^{0,5}
μ-value	18

Coverage:

Depends on width and depth of joints (approx. 3kg of dry mortar per m² at a 5mm joint width)
Determine exact coverage using test surfaces.

1kg of dry mortar equals approx. 0.7 litres of wet mortar.

Preparation of the Substrate:

Remove loose and brittle joint mortar to a depth of at least 1cm; remove dust and loose particles from joints.

Joints of a depth exceeding 2cm have to be filled in several work steps wet-on-damp. Aim for a consistent layer thickness.

Thoroughly pre-wet highly absorbent bricks.

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 25 kg of HECK FM SPF and 4,5 - 5,5 litres of tap water in a clean, stainless container using a power stirrer (mixing time: 2 minutes approx.). When mass is of a doughy consistency, allow to sit for 5 to 10 minutes, stir again, and fill into applicator gun.

Application Time:

Apply prepared material within 1 hour.

Application:

Using the applicator gun, Rajasil FM SPF is applied directly into the thoroughly cleaned, pre-wetted, pale damp joint. Metal cartridges are unsuitable as corrosion may occur due to the alkalinity of the mortar. Use plastic cartridges!

During the setting process the surface can be worked using the usual tools.

Notes:	<p>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 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.</p> <p>Variations in colour shade and surface texture over the course of time due to weather and environmental factors, e.g. atmospheric particles, are not covered by warranty. Technical functionality remains unaffected.</p>
After Treatment:	<p>Protect freshly jointed masonry adequately from premature dehydration, strong sunlight, wind, rain and frost. Depending on weather conditions, the joint mortar has to be kept damp for several days.</p>
Safety Instructions:	<p>Rajasil FM SPF contains lime and 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.</p>
Storage:	<p>Store in a dry place; shelf-life in original container: approx. 9 months.</p>
Quality Control:	<p>External and internal controls at regular intervals.</p>



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