

F5400

Properties:

F5400 is a two-component sealing slurry of cement base modified on plastic. The modification of the cement base is implemented with the addition of a solvent-free plastic dispersion. *F5400* is suitable for sealing against non-pressurized and pressurized water, in case of crack-endangered substrates, in case of containers, in case of terraces and balconies, as well as in case of roof remediation.

Technical data:

Storage	:	Dry, in original container approx. 6 months
Density / powder comp.	:	1.3 g/cm ³
Density / liquid comp.	:	1.05 g/cm ³
Dynamic viscosity / liquid comp.	:	Approx. 450 mPas
Consumption	:	- 4.0 kg/m ² corresponds to approx. 2.0 mm layer thickness in case of sealing against ground moisture, percolating water, non-pressurized water, in damp rooms - 5.0 kg/m ² corresponds to approx. 2.5 mm layer thickness in case of pressurized water
Processing time	:	Approx. 90 Min.*
Processing temperature	:	5 - 30°C
Adhesive tensile strength	:	1.2 N/mm ²
Crack covering capability	:	1.1 mm
Mixture ratio	:	2.5: 1 (Wt.- Parts) powder comp. to liquid comp.
Hardening time	:	48 to 72 hours *
Form of delivery	:	25 kg bag (Powder comp.) 10 kg PE canister (liquid comp.)

* Dependent on temperature and weather

Processing:

The bases must be solid, load-bearing, clean and free from separating substances (lubricants, oils etc.), as well as be rough and porous. Edges and burrs are to be broken and rounded off. Gravel nests are to be restored by means of installation mortar *F300*. In the corners, a concave molding is to be developed with *F300*.

Suitable bases for sealing with *F5400* are:

- Concrete and gas-aerated concrete at least 28 days old
- Plaster of the mortar groups P II and P III
- Plasterboard and gypsum fiber boards in damp rooms
- Fully-jointed brickwork of calcareous sandstone, brick, gas-aerated concrete brick
- Cement screeding at least 7 days old

Unsuitable bases for sealing with *F5400* are plasterboard and gypsum fiber disks in wet rooms or in the exterior area, plaster of the mortar groups P I, P IV and P V, wooden materials, mixed brickwork, metallic surfaces and gas-aerated concrete with negative water pressure.

The base must be matte moist. Where appropriate, it should be pre-wetted. Gypsum-content

substrates must not be pre-wetted, rather they must be wiped with some dilute *F5400* (1 liter water per 35 kg sealing mass).

After this paint coat has dried for approx. 1 to 3 hours, the first seal layer can be applied. For this purpose, 25 kg powder are mixed uniformly with 10 kg liquid component in a fast-running dissolver or propeller agitation mechanism (at least 1000 rpm). The mixture manufactured in such a way can be processed immediately. The application coating of the sealing mass can be implemented by means of polished scoop or paint sprayer. In case of low dilution (1 liter water on 35 kg mixture) *F5400* can be processed with a brush.

The required layer thickness (according to case of application, see Technical Data) is applied in at least two work operations, where a maximum of 2.5 kg/m² may be applied (corresponds to 1.5 mm layer thickness). Before the second layer is applied, you must wait at least 12 hours.

Only after complete thorough drying of the seal layer may composition floors or bitumen thick coatings (among other things) be applied.

In case of high crack loading (movements in the building component, subsidence), the working of fiberglass mesh into the sealing slurry is recommended. In the case of working and movement joints, the employment of the elastic *PROOFMATE FD System* is necessary.

Note:

- Irritates eyes and skin
- Must be kept out of reach of children
- Do not breathe in dust
- Avoid contact with the skin
- In case of contact with the eyes, wash out immediately and thoroughly with water and consult doctor
- Seek medical advice immediately in case of consumption and show packaging or label

***F5400* contains cement and reacts alkaline with water. Therefore protect skin and eyes (wear gloves and protective goggles).**

The correct and thus successful application of our products is not subject to our control. A guarantee can be issued for the quality of our products within the framework of our sales and supply conditions, however not for successful processing. All data and specifications in this specification sheet are based on the present state of the art and the right to changes and adaptations for the sake of development remains explicitly reserved. The consumption specifications designated by us can be only average empirical values, where deviations are possible on an individual basis and therefore cannot be excluded by us.

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