

Floor Systems

F4507_DSP.de

FE-Imprägnierung MV 5:2

Low viscosity epoxy resin
for floor applications

Product Data Sheet

02/2026



Product description

FE-Imprägnierung MV 5:2 is a low viscosity, solvent free two component epoxy resin, consisting of components A (resin) and B (hardener).

Mixing ratio: Components A:B = 5:2. The components are provided in combo packs in the correct mixing ratio.

Storage

Store cool, dry and frost-free. Brief exposure to frost is harmless.

Can be stored for up to 24 months

Properties and added value

- Very low emission, EMICODE EC 1^{PLUS}
For details see www.emicode.com/en
- Low viscosity
- Quick setting
- Epoxy resin bonded
- Pigmented yellow
- Water-free
- Solvent-free
- For interior application

Field of application

FE-Imprägnierung MV 5:2 features a wide range of applications.

It is used:

- As a bonding layer under bonded screed
- As a primer before application of Knauf FE-Abdichtung
- As a component for quick-setting screed Stretto
- As a bonding primer under N 440
- As a component of levelling mortar EPO-Leicht
- For filling cracks in screed



Type

Note

Only persons that are familiar with chemically setting substances are allowed to apply these products. The rooms must be ventilated sufficiently (preferably cross ventilation). Wear protective goggles (e.g. during mixing), suitable protective gloves (refer to the GISBAU gloves database) and working clothes to prevent contact with skin.

The accident prevention regulations of the German commercial employer's liability insurance associations (e.g. BG Bau - Practice guideline for the handling of epoxy resin or HVBG - BGR 227 Working with epoxy resin - *German only*) have to be complied with at all times. Additionally, the instructions and guidelines of the BEB Information Sheets KH-O/U, KH-1 and KH-3 apply. Moreover, the safety-related information of the Knauf Safety Data Sheets for Knauf FE-Abdichtung and Knauf FE-Imprägnierung must be observed.

Mixing

Add component B (hardener) to component A (resin) and mix thoroughly with a mixer (approx. 400 RPM). Ensure that the material sticking to the sides of the mixing container is blended in as well. Subsequently transfer the compound to a suitable clean container. Scrape out all remaining material with a spatula and add it to the compound while stirring again. Refilling in another container is necessary to collect all material, especially at the bottom of the mixing container, which might not have been correctly mixed. This will avoid areas which will not set and harden.

For the preparation of Stretto and EPO-Leicht, both components have to be mixed properly before adding the supplements (Stretto-Sand, EPO-Perl). Refilling to another container can be neglected in this case.

After mixing FE-Imprägnierung MV 5:2, it should be applied within a few minutes as it heats up in the container and has a much shorter setting time.

FE-Imprägnierung MV 5:2 as a bonding layer

If FE-Imprägnierung MV 5:2 is used as bonding primer, the substrate surface temperature must be above 10 °C. Ensure that the surface temperature is not below the dew point should the air humidity be high. FE-Imprägnierung will not harden in conjunction with water.

Apply FE-Imprägnierung MV 5:2 impregnation agent in two work steps:

1st application approx. 250 g/m²

2nd application approx. 100 g/m² and approx. 1.5 kg/m², interspersed with coarse dry sand (e.g. grain size 0.5 to 2.0 mm).

The required hardening time between impregnating coats and the following screed application is 24 hours.

Application

Stretto, EPO-Leicht, FE-Imprägnierung MV 5:2

Apply according to the following product data sheets:

[Stretto F3301_DSP](#)

[EPO-Leicht F441.de](#)

Application temperature / climate

The application temperature of FE-Imprägnierung MV 5:2 is between +10 °C and +25 °C.

Application time

The setting speed and accordingly the application time depends on the temperature. At 20 °C, the application time for material in its pure form is approx. 15 minutes, as Stretto approx. 60 minutes and as EPO-Leicht approx. 45 minutes.

At low temperatures, a longer application time can be expected, while at high temperatures a shorter application time can be expected.

Technical data

Description	FE-Imprägnierung MV 5:2	Unit	Standard
Walkable and ready for coverage at +20 °C	after approx. 24	h	–
Mechanical load performance	after approx. 3	d	–
Chemical resistance	after approx. 7	d	–
Application time at +20 °C as Stretto	approx. 60	min	–
Application time at +20 °C as EPO-Leicht	approx. 45	min	–
Mixing ratio, FE- Imprägnierung MV 5:2: Stretto Sand	1:25	weight shares	–
Yield: 25 kg Stretto-Sand and 1 kg FE-Imprägnierung MV 5:2	approx. 14	l mortar	–

The stated technical data were evaluated acc. to the respective test standards. Deviations under site conditions are possible.

Material requirement / efficiency

Description	Consumption
Stretto	1 kg on 25 kg Stretto-Sand
EPO-Leicht light levelling mortar	1 kg for 57 litres of EPO-Perl
As a bonding layer	Approx. 350 g/m ² (1st application approx. 250 g/m ² + 2nd application approx. 100 g/m ²) + intersperse with approx. 1.5 kg/m ² dry silica sand (e.g. grain size 0.5 – 2.0 mm)

Mixing ratio (components A : B): 5:2

Product variants

Description	Available options kg	Packaging unit	Material number	EAN
FE-Imprägnierung MV 5:2	1	10 pieces / carton 210 pieces / pallet	00883364	4003982588036
FE-Imprägnierung MV 5:2	5	45 pieces / pallet	00883363	4003982588067
FE-Imprägnierung MV 5:2	10	30 pieces / pallet	00883362	4003982588081

Sustainability and environment

Short description	Description	Value	Unit
AgBB scheme	Version 2021	fulfilled	–
French emissions class	Version modified in 2012	A+	–
EU Taxonomy	(EU) 2023/2486 Annex II Section 3.1 and 3.2 and (EU) 2021/2139 section 7.1 and 7.2, Chemistry Appendix C	fulfilled	–
EMICODE	EC1 ^{PLUS}	fulfilled	–



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