

DATASHEET

Okapox GF-M

Multipurpose epoxy resin

- solvent and water free
- very low emission
- high bond strength for repairing cracks and joints in screed and concrete
- suitable as primer or moisture barrier
- suitable as vapor barrier
- suitable as binder for epoxy mortars
- 1) Does not replace waterproofing membranes or components according to DIN EN 18533 and DIN 18534.



PRODUCT DESCRIPTION

Versatile, 2-component epoxy resin for force-fit closing of cracks and joints in screeds and concrete, as a primer for pretreating absorbent and non-absorbent substrates before filling and installation work. **Okapox GF-M** offers a water vapour diffusion resistance (sd value) of 200 m at a layer thickness of 0.5 mm and can be used as a moisture barrier¹⁾.

Okapox GF-M is also suitable as a binder for the production of epoxy resin mortars.

SUBSTRATE PREPARATION

The substrate must be inspected and ready for installation in accordance with the respective regulations of the individual countries as well as the current state of technology. Substrates must be pre-treated in accordance with the current BEB datasheet ('Evaluation and Preparation of Substrates').

Depending on the type of substrate, floor coverings and the requirements such as subsequent loading conditions, prepare substrate for laying using suitable Kiesel primers/pre-coats and self-leveling compounds. With non-absorptive substrates, apply a Kiesel leveling or patching compound to a minimum thickness of 2 mm. Technical datasheets of other Kiesel products used, must also be complied with. A system structure must be ensured.

PROCESSING

Using a screw driver to pierce the bottom of the lid container several times. Let the entire hardening liquid flow into the lower container. Remove the completely empty container and mix the two components thoroughly with an electric stirrer until the mixture is free of streaks. Repot and stir again.

As crack and joint resin:

The parts to be glued must be dry, clean and free of grease. Enlarge screed cracks so that the grouting can flow in. In addition cut into 2/3 of the screed layer perpendicular to the crack every 3" to 1 ft. (10 -30 cm) with a cutting disc, vacuum, set a steel spike or screed repair clamp, fill with **Okapox GF-M** resin and scatter quartz sand on fresh surface immediately. Alternatively priming within 48 hours with **Okatmos® UG 30 / Okatmos® EG 20** (undiluted).

As primer:

Apply **Okapox GF-M** evenly onto surface with a lambskin roller. Scatter a fair amount of quartz sand (0.6 - 1.2 mm grain) onto the fresh surface (coverage approx. 2.5 kg/m²). Alternatively priming within 48 hours with **Okatmos® UG 30 / Okatmos® EG 20** (undiluted).

As epoxy resin mortar:

Mix **Okapox GF-M** to a homogenous consistency and add up to 3 kg - 3.5 kg quartz sand (0.6- 1.2 mm grain). To fill holes prime the edges first with pure **Okapox GF-M** and fill wet in wet with mortar.

SPECIFICATIONS

Color	greyish, transparent
Application	interior and exterior, on the floor
Density	1,34 g/cm ³
Compressive strength	approx. 60 N/mm ² / approx. 40 N/mm ² with quartz sand
Flexural strength	approx. 35 N/mm ² / approx. 16 N/mm ² with quartz sand
Adhesive strength	stronger than concrete
Application temperature	+10 °C to +25 °C (50 °F to 86 °F)(substrate)
Temperature tolerance	-20 °C to +60 °C (-4 °F to 140 °F)
Mixing ratio	750 g can: 600 g Comp.. A / 150 g Comp.. B
Working time*	approx. 10 min. / approx. 30 min. with quartz sand
Fully loadable*	after approx. 7 days
Floor heating system	suitable
Walkable* / ready for installation*	after approx. 90 - 120 min. as crack filler after approx. 4 hours as primer or epoxy mortar (depends on layer thickness)
GISCODE	RE 1 according to TRGS 610
EMICODE	EC 1 according to GEV
Storage	store in dry area for up to 12 months recommended storage temperature: +10°C - +20°C

* At 68 °F (+20 °C) and 65% relative humidity.

Higher temperature and low humidity decreases, lower temperature and high humidity increases this value respectively.

COVERAGE

approx. 300 g/m² as primer

CLEANING

Clean tools immediately with Bakit RT, ethanol, spirit.

PACKAGING

Product description	Item no.	Item no.
750 g (1.7 lbs) two compartment tin can	48027	4015705480275

The aforementioned information, especially the proposals for processing and utilizing our product, is based on our knowledge and experience. We recommend that you carry out your own tests in every case to ensure the suitability of our products for the intended process and processing purposes because of the different materials and the working conditions which lie beyond our area of influence. No liability can be derived from this advice or from verbal advice, unless we are responsible for (criminal) intent or gross negligence in this respect.

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