

DATASHEET

Okapox royal flooring (grouting mortar)

Epoxy resin grout and adhesive mortar for floor surfaces



- coordinated consistency on floor surfaces
- very malleable and easy to process
- quickly and easily emulsifiable and washable
- suitable for use as an adhesive and for grouting
- high mechanical load capacity and chemically resistant
- for indoor, outdoor and underwater areas
- can also be used as a fast system by adding Okapox accelerator

PRODUCT DESCRIPTION

Solvent-free epoxy resin joint and adhesive mortar for the highly demanding and acid-resistant laying and grouting of ceramic tiles, corresponding natural stone coverings and glass mosaics in acidic structures, and in swimming pools and therapy pools. **Okapox royal flooring grouting mortar** can be used as an adhesive mortar on substrates made of minerals, steel, wood and similar materials.

Okapox royal flooring complies with EN 12004 R2, is sufficiently stable for laying on floor surfaces, and can be easily slurried and washed off as grout.

SUBSTRATE PREPARATION

Installation:

The substrate must be dry, clean and stable. Chipboard or other drywall substructures must be mounted so that they are free from torsion, vibration and warping. Prime the substrate with **Okatmos® UG 30**, **Okatmos® DSG** or **Okapox GF**.

Grouting:

The tiles and tile edges must be clean and dry. Thoroughly clean the joints to be filled and remove loose parts. Check that the covering materials - especially the covering surfaces - are suitable, and observe the regulations of the covering manufacturer. For a uniform joint, only use material from the same batch. The grouting mortar must be dry before use. Surfaces laid in a thin-bed process should be grouted after 24 hours at the earliest.

PROCESSING

When covering the entire surface, apply the adhesive mortar to the substrate using the appropriate notched spatula (see table), push the covering material into the adhesive bed, and press it down. The combined method (buttering-floating) must be used for highly stressed coverings and outdoor areas.

Mix component A and component B using an electric stirrer, transfer to another pot, and mix thoroughly again.

For grouting, slurry the grouting mortar and apply it to the joints parallel to the tiles using the special grouting disc of the epoxy resin grouting mortar, and remove excess diagonally. For large areas, it is advisable to use pointing machines (e.g. Karl Dahm KD 5). Emulsify excess mass with a little water and a special pad within approx. 50 minutes, and wash off using a viscose sponge or sponge board. To emulsify, use the washing agent **Okamul WH Plus** diluted with water in a ratio of 1:9, or spray onto the grouted surface with an atomiser. Protect surrounding surfaces. Non-slip or slip-resistant ceramic coverings are rationally grouted with a spray gun.

Remaining layers of resin can be removed after 16 hours at the earliest, but within 24 hours, with the washing agent **Okamul WH Plus** - either in its undiluted form, or diluted with water in a ratio of 1:1.

To accelerate the reaction time, and to shorten the waiting time, 1 container (300 g) of Okapox accelerator can be added per 5 kg of Okapox royal flooring. This reduces the reaction time to approx. 3.5 - 4.0 hours.

SPECIFICATIONS

Application	inside, outside** and under water***, on floor surfaces
Color	mid-grey
Density	approx. 1.6 kg/m ³
Application temperature	+10 °C to +25 °C (50 °F to 77 °F)(substrate)
Mixing ratio	4:1 pursuant to pbw component A + component B
Pot life*	approx. 60 minutes approx. 30 minutes with Okapox Accelerator
Open time (working)	approx. 50 minutes

	approx. 20 minutes with Okapox Accelerator
Chemical resistance*	after approx. 7 days after approx. 3 days with Okapox Accelerator
Mechanical resistance *	after approx. 3 days after approx. 1 day with Okapox Accelerator
Ready for cleaning* / re-emulsify*	approx. 50 minutes approx. 20 minutes with Okapox Accelerator
Walkable* / ready for grouting*	after approx. 12 hours after approx. 3.5 - 4.0 hours with Okapox Accelerator
GISCODE	RE 1 in accordance with TRGS 610
Storage	store in a frost-free and dry place, for approx. 18 months

*

Relative humidity at +20 °C (68 °F) and 65%.

Higher temperatures shorten these values and lower temperatures extend them correspondingly.

** Outdoors, largely cavity-free laying is required (buttering-floating).

COVERAGE

For adhesion:

Largest edge length of the surface	Tooth depth of the notched trowel	Application (mass)
up to 50 mm	3 mm (TKB C3)	approx. 1.6 kg/m ²
51-108 mm	4 mm (TKB C1)	approx. 2.2 kg/m ²
109-200 mm	6 mm (TKB C2)	approx. 3.0 kg/m ²
above 200 mm	at least 8 mm (at least TKB C4)	approx. 4.0 kg/m ²

The application rate is dependant, inter alia, on the condition of the substrate.

For grouting:

Application (mass)

Surfacing material

split tiles 11.5 x 24 x 0.8 cm	approx. 1.4 - 1.8 kg/m ²
tiles 20 x 20 cm	approx. 0.3 - 0.5 kg/m ²

central mosaic

approx. 0.6 - 0.8 kg/m²

TOOLS

Spatula, plastic smoothing tool/hard rubber trowel or pointing machine with grouting plate (for example Karl Dahm KD 5), viscose sponge, pad board with washing pads.

CLEANING

Clean the covering and tools immediately with water and/or **Okamul WH Plus**.

PACKAGING

Product description	Item no.	Item no.
Packaging - Item number - EAN		
88 x 5 kg containers - 14233 mid-grey - 4015705142333		
44 x 10 kg containers - 14236 mid-grey - 4015705142364		

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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