

# Technical Data Sheet



## Epoxy Primer Okapox GF

- solvent-free and very low emission
- very high bond strength
- free of water
- suitable as binder for epoxy mortars
- especially suitable for critical substrates
- suitable as moisture barrier

### Properties and usage

Solvent and water free very low emission thin two-component epoxy primer for the preparation of absorbing and non-absorbing substrates before patching, sealing and floor installations. Suitable for cement, calcium sulfate, magnesia and asphalt floors, concrete, wood, chipboard, terrazzo, artificial stone, ceramic tile, cut-back residue, metal and similar materials.

**Okapox GF** provides a high flexural strength, adhesive strength, compressive strength and abrasion resistance, resists water, lye, acids, salt water as well as grease and fuel.

**Okapox GF** can be used as moisture barrier on cement based substrates and can be used as binder vor epoxy mortars.

### Specifications

Color	yellowish transparent
Application	interior, exterior
Density	1,20 g/cm <sup>3</sup>
Compressive strength	approx. 60 N/mm <sup>2</sup>
Flexural strength	approx. 35 N/mm <sup>2</sup>
Adhesive strength	stronger than concrete
Coverage	approx. 244- 163 sq.ft./US gal. (200-300 g/m <sup>2</sup> ) per application as primer approx. 122- 100 sq.ft./US gal. (400-500 g/m <sup>2</sup> ) as moisture barrier
Application temperature*	50°F to 77°F (+10°C to +25°C)
Temperature tolerance	-4°F to 140°F (-20°C to +60°C )
Mixing ratio	7 kg bin: 5.0 kg Comp. A / 2.0 kg Comp. B 3.5 kg bin: 2.5 kg Comp. A / 1.0 kg Comp. B
Quartz sand coverage	approx. 5 lbs per 10 sq ft./ (grain 0,6 - 1,0 mm)
Processing time*	approx. 30 minutes
Floor heating systems	suitable
Curing*	completed after approx. 7 days
Ready for traffic/reworkable*	after approx. 12 hours (without solvent)
Marked according to	Component A: irritant

# Technical Data Sheet



GefStoffV regulations	Component B: corrosive
GISCODE	RE 1 according to TRGS 610
EMICODE	EC 1 according to GEV
Shelf life	store in dry area for up to 12 months Preferred storage temperature: +10°C to +20°C Please note EC safety data sheet
*	At 68 °F (+20 °C) and 65% relative humidity. Higher temperature and low humidity decreases, lower temperature and high humidity increases this value respectively.

## Substrate preparation

The substrate must comply with VOB Part C, DIN 18 365 as well as with all technical requirements and must be ready for installation. The surface must be sound and clean. Remove dirt, paint, oil, grease wax and other contamination which might act as a bondbreaker. Grind and prime calcium sulfate screed according to data sheet BEB. For high performance installations, e.g. for fork lift traffic, check substrate for suitability. Puncture bottom of part B container several times with a screwdriver. Let the entire hardening fluid flow into the lower receptacle. Remove empty container and mix the two components thoroughly with an electric mixer until the mixture is without streaks. Repot and stir again.

## Processing

### As primer:

Apply **Okapox GF** with a lamb skin roller on substrate. For high absorbing substrates and under steam-tight flooring first application can be diluted with 10% **Okapox GF-V** for better penetration. The application then contains solvents so that a 48 hours curing time is required and is not suitable as a moisture barrier. Immediately after curing within 48 hours apply a second layer of **Okatmos EG 20/Okatmos UG 30**.

### Exceptions:

- high mechanical stress (e.g. fork lift traffic, leveling compounds as final load top)
- under levelling compounds thinner than 5 mm
- on contaminated substrates (e.g. PAK, VOC)
- as primer under **Okamul PU-FCA**- chemical resistant proofing system

Immediately after penetration of the first layer apply a second layer of **Okapox GF** (consumption approx. 300 g/m<sup>2</sup>). Apply quartz sand in surplus, grain 0,6 - 1,0 mm (approx. 2,5 kg/m<sup>2</sup>).

**Okapox GF** can be used as a **moisture barrier** against moisture up to . 7,0 weight% for concrete floors and 5.0 weight% for cement screed.

If applied as **epoxy mortar** mix **Okapox GF** homogenous and ad quartz sand (grain 0,6 - 1,2 mm) in a ratio of 1:6.

## Cleaning

Clean tools with **Okapox GF-V** immediately after application.

## Note

The information is based on our experience and is to be regarded as general instructions. We cannot guarantee successful results since we do not have any influence on the conditions at the construction site and the proper processing. In any case a sample application is recommended before the installation.

## Storage

Store in dry area. Can be stored for approx. 12 months in original packaging. Preferred storage temperature 50°F to 68°F (+ 10°C to + 20 °C). In case of prolonged storage reaction capacity may lessen. Possible crystallization because of frequent temperature changes can be dissolved in a water bath at 122 °F (+ 50 °C) within 2 hours. Afterward the material can be reused. Storage has to comply with the regulations for storing water-polluting materials.

**Please note EC safety data sheet.**

## Packaging

Packaging  
45 x 7 kg (15.4 lbs) two  
compartment tin container  
60 x 3.5 kg (7.7 lbs) two  
compartment tin container

Product Code  
48038  
48039

## Revised

25.08.08