

RB 2.03

Fast Floor Leveller

Product description

RB 2.03 is a factory-made, cement-bonded, polymer-modified, self-drying, fast-curing and highly flowable 1 - 50 mm floor levelling compound.
CT-C35-F7

Product properties

- Very well suited for mechanical application
- Highly flowable
- EMICODE EC 1: Very low emissions
- Suitable for chair castors as per DIN EN 12 529 with min. 1 mm layer thickness
- High surface strength
- Very economical for large areas
- Fast curing
- Also exceptionally well-suited for pouring thin-layer underfloor heating as a compound
- For shear-resistant glueing of parquet

Uses

RB 2.03 is installed manually or mechanically as a compound on a wide variety of substrates and forms a fast-curing, stable substrate for all popular floor coverings. Ideal for extensive levelling coats.

Substrates

Concrete, cement screed, calcium sulphate screed, magnesium screed, xyolite screed

Substrate preparation

- The substrate should be dry, stable, free of dust and impurities and able to bear a load.
- Prime the substrate using RB 4716 primer in accordance with RB 4716 technical datasheet.
- In the event of rising capillary humidity or vapour pressure from the substrate, apply a double coat of epoxy resin primer, e.g. RB 4710 EP, as a vapour-resistant coating directly to the concrete substrate followed by spreading of quartz sand.

Mixing

- Use an approved mixing pump for mechanical mixing.
- Monitor consistency regularly with a flow-ring test.
- If mixing manually, mix for 1 to 2 minutes with a suitable stirring tool.
- Mix the material with approx. 5.0-5.5 litres of water per 25 kg sack.
- Too much water reduces stability and increases shrinkage and the risk of cracking.

Mixing tools

- Drill with mixing paddle for filling compounds
- m-tec Duomix, m-tec SMP (silo mixing pump)
- Clean equipment with water.

Application

- If the material is pumped, the maximum width of the work surface should not exceed 6 to 8 metres.
- Smooth surface with a notched trowel, tooth rake or plasterer's trowel and roll with a spiked roller, if necessary.
- The fresh surface can be rolled with a spiked roller for layers up to approx. 6 mm thick.

Coverage rates

Approx. 1.7 kg/m² per mm layer thickness.

Subsequent treatment/Coating

- Protect freshly installed surfaces from draughts and the effects of direct sunlight and heat.
- The surface must be ventilated once it can be walked on. Avoid draughts.
- During application and for a week afterwards, the temperature at the construction site must be at least 10°C, but preferably 15°C.
- Do not use a dehumidifier in the first two days.
- The surface layer should be applied immediately after the layer is ready, especially with thick layers. If this cannot be guaranteed, a follow-up treatment with RB 4790 must be applied 24 hours after installation.

General Information

- Estimate the levelling requirement before applying.
- When using on floating structures and heated screeds, separate all rising elements with edge insulation strips at least 8 mm from the floor structure.
- The product should be covered with a surface layer.
- Contact us for technical support if you have questions regarding application, substrate, or special design features.
- Do not mix with other materials.

Special notes

- Only use indoors.
- 1 mm surface thickness only possible with manual laying.

Storage

The material can be stored for up to 6 months if stored in a dry location protected from humidity.

Logistics

25 kg/sack, 42 sack/pallet.

Legal notices

The information provided in this document is based on our technical knowledge and experience at the present time. Owing to the large number of potential influences, it does not relieve anyone using or processing our products from the responsibility of carrying out their own tests and experiments, and it is intended only to provide general guidelines. It does not imply any legally binding assurance of certain properties or that our products are fit for a specific purpose. Responsibility for complying with any property rights, applicable laws or other requirements lies solely with the user. This data sheet supersedes any previous data sheets.

Building material class	A 1 fl - EN 13501-1
Set to foot traffic	After approx. 2-4 h
Ready for floor covering	1 day for tile. 3 days for textile, PVC, rubber, or linoleum coverings. 7 days for parquet and laminate flooring (surface thickness > 15 mm)
Flexural strength after 28 days	> 7 N/mm ²
Compressive strength after 28 days	≥ 35 N/mm ²
Recommended coat thickness	1-50 mm
Flowability	240 - 260 mm (Ring: 68/H 35 mm)
Partially load-bearing	Light traffic: after approx. 24 hours.
Application temperature (ambient)	10 °C to ≤ 30 °C
Application temperature (substrate)	10 °C to 25 °C
Working time	15-20 minutes at 20 °C
Water ratio	18%-20% max. 5.5 l /25 kg bag