

Technical data sheet.

bauprotec BAM 20 - Floor levelling compound

Product Description

bauprotec BAM 20 is a pre-mixed cement-based mortar for interior use. It is suitable for use as a composite leveller on bare concrete floors and cementitious screeds, also if underfloor heating systems are installed. bauprotec BAM 20 is composed of cement, mineral aggregates and additives to improve its technical properties and processing characteristics. bauprotec BAM 20 is pumpable, runs well, has good hydraulic setting properties and is suitable for use with castors.

bauprotec BAM 20 can be installed in layer thicknesses of 1.5 mm - 20 mm.

> Technical data and characteristics

Standardisation	Factory made dry mortar CT-C25-F5 as per DIN EN 13813
Compressive strength	≥ 25.0 N/mm ²
Flexural strength	≥ 5.0 N/mm ²
Consumption	approx. 1.6 kg/m ² with an application thickness of 1 mm
Water requirement	approx. 6 l per 25 kg bag
Grain size	0– 0.5 mm
Fire performance	Fire class A 2fl - s1
Can be stepped on	after approx. 3 h
Application of flooring	after approx. 24 h *
Fully loadable	after approx. 28 days
Maturity time	approx. 3 minutes
Layer thickness	1.5– 20 mm

* Note residual moisture

> Logistics and safety instructions

Form of delivery	bag
Storage	bauprotec BAM 20 in bags can be stored for 6 months from the production date if stored dry and protected.
Safety instructions	See safety data sheet

> CE labelling



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EN 13813 :2000, CT – C25 – F5
Dry screed mortar for indoor floor constructions

Fire performance	A 2fl- s1
Release of corrosive substances	CT
pH value	> 11
Water vapour permeability	NPD
Compressive strength	C 25
Flexural strength	F 5

*NPD (no performance determined) = Characteristics not determined since not relevant

Information

This product data sheet contains advice to the best of our knowledge and replaces all previous product data sheets. Its content, however, is not legally binding

Surfaces

bauprotec BAM 20 is used in combination with a suitable bonding primer on all types of cementitious raw floors or screeds after appropriate substrate preparation and priming. The substrate must always be stable, load-bearing, dry, clean, free from cracks and free from sintered layers. All substances interfering with the adhesive bond must be removed from the substrate by suitable measures. When covering with concrete blocks, ceramic tiles, thin-bed slabs and vapour-tight floor coverings, the substrate must not exceed a moisture content of 2.0 CM % by weight. On calcium sulphate-bound substrates and mastic asphalt floors, we recommend our flow filler casufloor FS or the thin screed casufloor DE, depending on the layer thickness.

Processing and Processing Time

bauprotec BAM 20 can be processed with appropriately equipped pumps. When starting up the machine, it is essential to observe the manufacturer's instructions. Attention must be paid to the correct consistency, the slump-flow is 145 - 155 mm (spreading dimension with cylinder according to DIN EN 12706). Repeated checks during pouring are recommended. The size of the working areas to be grouted must be adapted to the processing times of the floor levelling compound.

bauprotec BAM 20 can also be mixed by hand with an electric stirrer for small areas. To do this, sprinkle the material into clear water in a clean vessel and mix to obtain a homogeneous compound. We recommend a stirrer with approx. 600 rpm with a spiral or double disc stirrer. After a maturing time of approx. 3 minutes, stir briefly and apply. Material that has already set must not be re-diluted with water.

Pour bauprotec BAM 20 in lengths and support the flow of the levelling compound with a spiked roller, trowel or rendering tool. The processing time is approx. 30 min from mixing to smoothing/levelling. Optimum deaeration of the mortar is achieved by treating the surface with a spiked roller.

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Important Notes

- Edge insulation strips must be attached to wall connections, supports, columns, etc
- When pouring, protect the floor levelling compound from draughts, direct sunlight and the effects of heat
- Do not admix foreign material
- Do not process at a subsurface temperature or ambient temperature below +5 °C or above +25 °C, respectively.
- Observe the generally accepted codes of practice during processing
- Wear suitable protective gloves and goggles/face protection
- Immediately clean containers, tools, etc. with water
- Disposal: Cured product residues as construction waste under waste code 17 09 04.

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