MBM-S

Medium bed mortar, rapid

strasser FLEX
TILE ADHESIVE

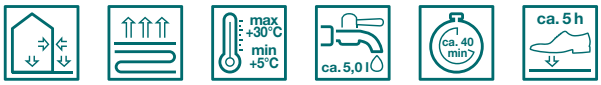
rapid hardening, highly flexible medium bed mortar for large-format surfaces

- with early, rapid crystalline water binding
- ready to walk on and grout after approx. 4 – 5 hours

Seal:

GEV-EMICODE EC 1 PLUS very low emission

original tubagTrass



Applications

- for laying all types of ceramic tiles, particularly large format tiles and slabs and for laying calibrated, moisture-resistant and non-translucent natural stone surfaces and artificial stone
- for laying on cement, calcium sulphate, asphalt screed, old tiles, masonry, cement and lime cement plasters, gypsum plasters, concrete, lightweight concrete, aerated concrete, dry screed, SAFETEC® floor levelling fillers
- for smoothing out minor unevenness of up to 25 mm
- suitable for wall, floor and electrical surface heating
- in the wall and floor area
- for interior and external use

Properties

- very low emissions EC 1^{PLUS} according to GEV-EMICODE
- highly flexible
- malleable and stress-dispersing
- mineral
- rapid hardening
- particularly suitable for laying large formats
- frost-resistant and water-resistant after hardening

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Composition

- Grey cement in accordance with DIN EN 197-1
- Quick-drying cement
- trass in accordance with DIN 51043
- finely fractionated silica sand
- additives for improving bonding to the subsurface
- additives for regulating and improving workability and product properties

Substrate

Suitable substrates

- Cement and calcium sulphate screeds, heated and unheated
- Asphalt screeds
- SAFETEC® floor levelling compounds, floor fillers
- Dry screeds
- firmly bonding ceramic coverings
- Lime cement plasters and cement plasters
- Concrete, lightweight concrete
- flush-jointed masonry

Properties/tests

- The substrate must be dry, firm, load-bearing, dimensionally stable, clean and free of adhesion-reducing contamination.
- Concrete must be at least 3 months old.
- Cement screeds must be at least 28 days old at the time of covering and have a residual moisture ≤ 2.0 CM-% (unheated) or ≤ 1.8 CM-% (heated).
- At the time of laying, calcium sulphate screeds must have a residual moisture ≤ 0.5 CM % (unheated) or ≤ 0.3 CM % (heated).
- SAFETEC® floor levelling compounds must have a residual moisture of ≤ 3.0 CM %.
- Plaster surfaces must not be felted, smoothed or rubbed, instead simply skimmed or scratched off sharply with the straightedge.
- The installation base must meet the evenness criteria of DIN 18202.

Pretreatment

- Carefully remove adhesion-reducing layers and contamination, e.g. sinter layers, binding agent accumulations, loose paint coatings, adhesive residue or dust.
- The substrate is to be cleaned beforehand. No residue from cleaning agents must stick on the substrate.
- Bumps in the substrate are to be levelled with suitable plasters, e.g. strasser PLAN AS-S, or filling compounds, e.g. strasser PLAN BS 25 or BS 35-S.
- The substrate must be primed to seal the pores in order to regulate the absorbency.
- Primers must be allowed to dry completely.
- Prime smooth, non-absorbent substrates, e.g. concrete or old tile coverings, with strasser PRIM QG-T Quartz Primer Turbo or strasser PRIM UG-P Universal Primer Premium.
- Prime mineral substrates with strasser PRIM DTG-P Dispersion Depth Primer Premium or strasser PRIM UG-P Universal Primer Premium.
- For time-critical work, prime mineral substrates with strasser PRIM DTG-T Dispersionstiefengrund Turbo (can be covered or recoated after approx. 15 minutes).
- Calcium sulphate screeds must be sanded and vacuumed. Calcium sulphate screeds are pre-treated with strasser PRIM DTG-P Dispersion Depth Primer Premium, strasser PRIM DTG-T Dispersion Depth Primer Turbo or strasser PRIM UG-P Universal Primer Premium when laying tile coverings (≤0.36 m²/per tile up to a maximum edge length of 90 cm). When laying large-format tile coverings > 0.36 m²/per tile, pre-treated with strasser PRIM EG epoxy primer and sanded with strasser PLUS GQS Coarse Quartz Sand. After hardening, thoroughly remove excess, loose sand.
- Mastic asphalt screeds are pre-treated with strasser PRIM QG-S quartz primer fast or in one coat with strasser PRIM EG epoxy primer or in two coats with strasser PRIM ESA epoxy protective coating and sanded with strasser PLUS GQS coarse quartz sand. After hardening, thoroughly remove excess, loose sand. If a full-surface and firm sanding is present, priming is not necessary.

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Processing

Temperature
- Can be processed in case of air, material and substrate temperatures between +5°C and +30°C. Do not apply in case of direct sunshine or strong winds.

Mixing / Preparation / Processing
- Observe specified amount of water. Use a clean stirring container and clean tap water for stirring.
- Mix material homogeneously and without lumps with a suitable agitator, allow to cure for approx. 3 minutes and stir again.
- Do not mix with other products and/or other substances.

Applying
- Apply the scratch coat to the substrate with the smooth side of the notched trowel. Then comb on the mortar and push the tiles/coverings into the applied mortar bed under pressure and position them.
- Only apply as much mortar as can be covered during the open time. After the skin has started to form on the surface of the combed adhesive bed, no more coverings may be laid.

Processing / Working time
- Approximately 40 minutes
- Timings relate to +23°C and 50% relative humidity.
- Low temperatures prolong the processing time, high temperatures shorten it.
- Mortar that has already started to harden must never be thinned down with additional water, remixed or applied.

Cleaning the tools
- Clean all tools and equipment with water immediately after use.

Notes
- When laying coverings outdoors or on floor surfaces with high traffic loads as well as for large formats (≥ 60 cm edge length, ≥ 0.25 m² base area), the buttering-floating method should be used. By applying the adhesive to the substrate and additionally to the back of the covering, an almost void-free installation is ensured.
- For laying and fixing tiles and slabs, please observe the instructions in DIN 18157 as well as the recognised rules of technology.

Packaging

- 25 kg/sack

Storage

- Store sacks appropriately and in dry conditions on pallets.
- can be stored in sealed original container/bag for at least 6 months from manufacturing date

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Consumption

Consumption with 10 mm serration	4.3 kg/m²
Consumption with 12 mm serration	5.7 kg/m²
Consumption with 15 mm serration	6.0 kg/m²
Consumption with 20 mm serration	9.0 kg/m²

The amount used depends on the condition of the substrate and profiling on the back of the covering and may differ in practice.

Technical Data

Water requirement	approx. 5.0 l per 25 kg/sack
Maturation time	approx. 3 minutes
Adhesive open time	approx. 20 minutes
Processing time	approx. 40 minutes
Adhesive bed thickness	5 - 25 mm
Walkability	after approx. 4 - 5 hours
Groutability wall	after approx. 4 - 5 hours
Groutability floor	after approx. 4 - 5 hours
Resilience	after approx. 1 day

All data are average values which have been obtained under laboratory conditions in accordance with relevant test standards and application trials at +23°C and 50% relative humidity. Deviations are possible under practical conditions.

Safety and disposal instructions

Safety

- This product produces an alkaline reaction when it comes into contact with moisture/water. Therefore ensure that skin and eyes are protected. If it should come into contact with the skin or eyes, rinse them thoroughly with water. See a doctor immediately if it comes into contact with the eyes.
- Further instructions in the safety data sheet under www.strasser-systeme.de.

GISCODE

- ZP1 (products containing cement, low-chromate)

Disposal

- Dispose of the material in accordance with the official regulations.
- Completely empty and recycle the packaging.
- Dispose of hardened product in accordance with the local regulations. Do not allow to enter the sewer system. Dispose of the hardened product in the same way as concrete waste and slurries. Waste code according to the Ordinance on the European Waste Catalogue depending on the origin: 17 01 01 (concrete) or 10 13 14 (concretewaste and concrete slurries).

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General Information

This information sheet provides only general recommendations. If you have any questions when it comes to the actual application, please consult our responsible Technical Sales Adviser or our Service Hotline tel. +49 541 601-235. In principle, discolourations that form due to water soluble compounds in natural stone when using adhesive mortars that contain water, cannot be completely ruled out. In case of doubt, lay out a test area.Since natural raw materials are used, the values and properties described may vary somewhat. All of the details given are based on our current knowledge and experience and on the assumption that the materials are professionally applied and used for their normal purpose. All of the details are non-binding and do not release users from their duty to undertake their own tests to ensure suitability for the intended application. Due to the effects of different weather, processing and construction site conditions, no guarantee can be given for the general validity of all details. We reserve the right to make changes as a result of further development of the product and applications engineering. The general rules for construction engineering, the valid standards and guidelines, and the technical working guidelines must be observed. The publication of this technical data sheet renders all previous editions of this data sheet void. Please obtain the latest information from our website.

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