BS 25
Floor filler

strasser PLAN
LEVELLING COM-POUNDS

highly free-flowing floor levelling filler for layer thickness **of** 1 – 20 mm

- extremely low tension due to innovative SAFETEC® technology
- can be walked on after approx. 5 hours
- for partial layer thicknesses up to 25 mm
- very free-flowing
- suitable for efficient mechanical processing

CT-C25-F6 acc. EN 13813 / DIN 18560

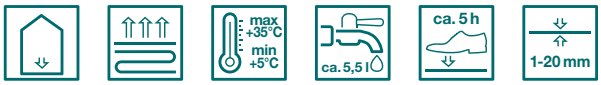
Seal:

GEV-EMICODE EC 1 PLUS sehr emissionsarm

SAFETEC Sicher. Ökologisch.

bis zu -66 % CO_2 Ausstoß

Is included in the following systems:



Applications

- for levelling concrete substrates and heated or unheated screed, interior use
- for embedding electrical or aquiferous thin-layer heating
- substrate for topcoats, e.g. tiles, natural stone, PVC, parquet, carpet etc.

Properties

- very low emissions EC 1^{PLUS} according to GEV-EMICODE
- highly free-flowing
- long processing time
- flexible
- extremely low tension
- self-levelling
- mineral
- suitable for pumping
- Can be covered with tiles and slabs after approx. 12 hrs.

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strasser
A trademark of sievert

Composition

- cement in accordance with DIN EN 197-1
- quartzite aggregates according to DIN EN 13139

Substrate

Suitable substrates

- Calcium sulphate screeds, heated and unheated
- Cement screeds, heated and unheated, at least 28 days old
- Concrete, at least 6 months old
- firmly bonding ceramic coverings
- Asphalt screeds
- SAFETEC® floor levelling compounds, floor fillers

Properties/tests

- The substrate must be dry, ready for covering, hardened, load-bearing, vibration and crack-free, clean and free of contamination and separating layers of any kind (e.g. coats of paint, oils, etc.).
- 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).
- The fast curing cement screed strasser BASE ZFE-S cement fine screed fast and screeds based on strasser BASE ZEB cement screed binder must be at least 3 days old at the time of laying.
- Calcium sulphate screeds must have a residual moisture of ≤ 0.5 CM % (heated and unheated).
- SAFETEC® floor levelling compounds must have a residual moisture of ≤ 3.0 CM %.

Pretreatment

- Deep break-outs and voids in the substrate must be quickly levelled in advance, e.g. with strasser BASE ZFE-S cement fine screed.
- The substrate must be primed to seal the pores in order to regulate the absorbency.
- Further information on substrate pre-treatment can also be found in the strasser product range.
- 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. Pre-treat calcium sulphate screeds with strasser PRIM UG-P Universal Primer Premium or strasser PRIM EG Epoxy Primer and sand with strasser PLUS GQS Coarse Quartz Sand. After hardening, thoroughly remove excess, loose sand.
- Mastic asphalt screeds are pre-treated with strasser PRIM UG-P Universal Primer Premium or one coat of strasser PRIM EG Epoxy Primer or two coats of 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 sand scattering is present, priming is not necessary.

Processing

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Temperature
- Do not process or allow to dry out at air, material or substrate temperatures below +5°C, or if there is a risk of exposure to night frost, or at temperatures above +35°C, or in direct sunlight, or on heated up surfaces, and/or in windy conditions.

Mixing / Preparation / Processing
- When mixing manually, first place the quantity of water specified in the technical data in a clean container and then sprinkle in dry mortar. Use clean tap water.
- Material mit einem geeigneten Rührwerk (z. B. Collomix DLX-Rührer) homogen und knollenfrei anmischen, kurz reifen lassen und nochmals aufrühren. Bei Temperaturen unter +10 °C verdoppelt sich die Mischzeit auf 2 Minuten.
- Do not mix with other products and/or other substances.
- Machine-processing is possible with suitable mixing pumps.
- In the case of mechanical installation, the slump flow must be adjusted in accordance with the strasser machine technology guidelines.
- Slump flow: 36 cm

Applying
- Pour or pump levelling compound onto the prepared substrate and fill in intensively with a squeegee or trowel and distribute evenly until the required layer thickness is reached.

Processing / Working time
- approx. 45 minutes
- The stated times apply for a temperature of +20°C and relative humidity of 65%.
- 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.

Drying / Hardening
- When using on underfloor heating systems, the heating in preparation for covering is to be carried out according to the strasser heating protocol.

Subsequent coating / Suitability for coating
- In principle, an top covering must be applied.
- Ceramic floor coverings are ready to be covered after approx. 12 hours with a bonded installation.
- For laying vapour-proof coverings that are sensitive to moisture, e.g. PVC, parquet etc., the residual moisture of ≤ 3.0 CM % determined by the CM method must be adhered to. For thin-layered fillings up to 3 mm, this figure is usually reached after 24 to 48 hours (guide value, dependent on the ambient conditions).
- When filling with layer thicknesses of 5-10 mm, a drying period of approx. 3 days is to be planned, of 10-15 mm approx. 7 days and ≥ 15 mm approx. 14 days, until the residual moisture of ≤ 3.0 CM % is reached (guide value, dependent on the ambient conditions).
- Regardless of the residual moisture content, the area can be made vapour-proof after 3 days with strasser PRIM EG epoxy-resin primer and gone over after another day.
- In case of moisture penetration from below when using underfloor heating or vapour diffusion permeable floor coverings, the floor levelling layer can be coated with strasser PRIM ESA epoxy-resin protection coat strewn with silica sand and gone over once it has dried.

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

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Notes

- Optimum flow properties are achieved at temperatures > 10°C. At lower temperatures, the flow behaviour is reduced. In this case, do not add any more mixing water.

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 12 months from manufacturing date

Consumption

- consumption: approx. 1.6 kg/m² per mm layer thickness
- yield: app. 15.5 l fresh mortar per 25 kg/sack

Technical Data

Product type	CT-C25-F6 according to DIN EN 13813 / DIN 18560
Grain	0 – 0,5 mm
Fire behaviour	$A1_{fl}$ (non-flammable) in accordance with EN 13501
Compressive strength	nach 24 h ≥ 10 N/mm² nach 7 d ≥ 20 N/mm² nach 28 d ≥ 25 N/mm²
Flexural strength	≥ 6 N/mm²
Thermal conductivity	approx. 1.1 W/(mK)
Layer thickness	1 – 20 mm im Verbund, partiell bis 25 mm
Water requirement	approx. 5.5 l per 25 kg/sack
Mixing time	approx. 1 minute
Maturation time	approx. 2 minutes
Processing time	approx. 45 minutes
Walkability	after approx. 5 hours
Ready for covering with ceramic tiles	after approx. 12 hours

All data are average values determined under laboratory conditions at +20°C and 65% relative humidity according to relevant test standards and application tests. Deviations under practical conditions are possible.

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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).

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. +49 541 601-601. 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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