

BS 15

Floor filler



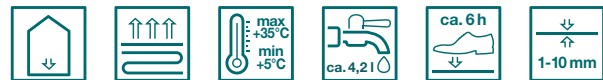
strasser PLAN
LEVELLING COM-
POUNDS

self-flowing floor levelling filler for layer thicknesses of
1 – 10 mm

- extremely low tension due to innovative SAFETEC® technology
- can be walked on after approx. 6 hours
- for partial layer thicknesses up to 15 mm
- very free-flowing
- suitable for efficient mechanical processing

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

Seal:



Applications

- for interior use in levelling cement-based substrates
- suitable for flooring and electrical surface heating

Properties

- self-levelling
- low-stress hardening characteristics
- tempered for better bonding
- hydraulically curing and hardening
- mineral
- suitable for pumping
- Can be covered with tiles and slabs after approx. 24 hours

Composition

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





Substrate

Suitable substrates

- Cement screeds, heated and unheated, at least 28 days old
- Concrete, at least 6 months old

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.).
- Conventional, normal-setting 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.

Pretreatment

- Separating surface layers, such as cement films, formwork release oil or sinter skins must be removed using suitable methods.
- The surface may have to be roughened mechanically using suitable measures, e.g. by shot blasting or milling.
- 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.
- 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).
- The strasser PLUS RDS edge insulation strip must be attached to all rising components, such as wall connections, in such a way that it cannot run underneath.

Processing

Temperature

- Do not process or allow to dry out at air, material or substrate temperatures below $+5^{\circ}\text{C}$, or if there is a risk of exposure to night frost, or at temperatures above $+30^{\circ}\text{C}$, 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.
- Use a suitable agitator to mix the material until smooth and free of lumps. Leave to develop for a moment and then mix again.
- Do not mix with other products and/or other substances.
- In the case of mechanical installation, the slump flow must be adjusted in accordance with the strasser machine technology guidelines.
- Slump flow: 38 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.
- De-aerate fresh areas during the installation with the spiked roller.

Processing / Working time

- approx. 30 minutes
- Timings relate to +20°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.

Drying / Hardening

- Protect from drying out too quickly as a result of sun, wind or draughts.
- After applying the levelling compound, no underfloor heating may be operated over a period of 14 days.

Subsequent coating / Suitability for coating

- In principle, a 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).
- Bei Spachtelungen mit Schichtdicken von 5-10 mm sind ca. 3 Tage, von 10-15 mm ca. 7 Tage Trocknungsdauer einzuplanen, bis die Restfeuchte von $\leq 3,0$ CM-% erreicht wird (Richtwerte, abhängig von den Umgebungsbedingungen).
- 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.

Notes

- Adjacent surfaces and components (e.g. windows, window sills, etc.) must be protected by suitable measures. Immediately wash off any contamination with water.

Packaging

- 20 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. 12.5 l fresh mortar per 20 kg/sack

Technical Data

Product type	CT-C25-F6 according to DIN EN 13813 / DIN 18560
Grain	0 – 1 mm
Fire behaviour	A1 _{fl} (non-flammable) in accordance with EN 13501
Compressive strength	≥ 25 N/mm ²
Flexural strength	≥ 6 N/mm ²
Thermal conductivity	approx. 1.1 W/(mK)
Layer thickness	1 – 10 mm, partiell bis 15 mm
Water requirement	approx. 4.2 l per 20 kg/sack
Mixing time	approx. 1 minute
Maturation time	approx. 2 minutes
Processing time	approx. 45 minutes
Walkability	after approx. 6 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.

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. +49 541 601-235. 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.