SZE

Quick-drying cement screed

quick-mix
A trademark of sievert

Rapid-curing, ready-to-use screed mortar 0 – 8 mm

CT-C25-F4 acc. EN 13813 / DIN 18560

- can be walked on after approx. 3 hours
- for layer thickness of 25 – 80 mm

APPLICATIONS

- for rapid production of compound screeds, screeds and heated screeds on insulation and screeds on separating layers according to DIN 18560
- for rapid repair, renovation and restoration
- for interior and exterior use

PROPERTIES

- very low emissions EC 1^{PLUS} according to GEV-EMICODE
- quick setting and hardening
- can be loaded after approx. 1 day
- frost-resistant and water-resistant after hardening
- behaviour in fire A1 - non-flammable
- mineral

COMPOSITION

- cement in accordance with DIN EN 197-1
- Quick-drying cement
- quartzite aggregates according to DIN EN 13139
- additives for regulating and improving workability and product properties

SUBSTRATE

Properties/tests	■ The subsurface must be dry, load-bearing, clean, frost-free and suitable for the application of mortar. ■ Concrete substrates for composite screeds must be at least 6 months old. ■ The requirements of DIN 18560 and DIN EN 13813 are to be observed.
Pretreatment	■ For bonded screeds, carefully clean the substrate. Remove leftover mortar, loose concrete and other types of contamination using suitable measures. Coarse flaws in the substrate must be levelled with mortars suitable for this. ■ Cement-based substrates are to be pre-treated with quick-mix H4 bonding bridge. ■ Non-absorbent substrates are to be pre-treated, e.g. with strasser PRIM EG epoxy primer or strasser PRIM ESA epoxy-resin protection coat, in each case with the spreading of silica sand. ■ Edge insulation strips on walls and other rising components must be installed professionally according to DIN 18560. ■ Expansion, movement, building separation or connection joints already present in the subsurface must be applied in the same arrangement throughout the entire cross-section of the system.

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PROCESSING

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 +30°C, or in direct sunlight, or on heated up surfaces, and/or in windy conditions.
Mixing / Preparation / Processing	■ Mix dry mortar to the right consistency in a continuous or compulsory mixer or in screed mixing and conveying machines with clean water for 2 to 3 minutes maximum. ■ 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. ■ Mix material homogeneously and without lumps with a suitable agitator. Stir again if necessary by adding more water and adjust to consistency suitable for processing. ■ Do not mix with other products and/or other substances.
Processing	■ When processing as a composite screed, firstly brush on quick-mix H4 bonding bridge onto the pre-wet, still matt damp concrete surface. ■ Apply the screed mortar in the required layer thickness once the bonding bridge has fully dried out, at the earliest after 12 hours. ■ For screeds on a separating layer or insulation, apply fresh mortar evenly in the required layer thickness. ■ For the subsequent laying of ceramic tiles, rub the surface of the screed (do not smooth). ■ The minimum layer thickness is 25 mm for composite screeds, 45 mm for screeds on insulation and 35 mm on a separating layer. The screed thickness can be reduced by 5 mm with insulating layer thicknesses ≤ 40 mm.
Processing / Working time	■ approx. 45 minutes ■ Mortar that has already started to harden must never be thinned down with additional water, remixed or applied. ■ The stated times apply for a temperature of +20°C and relative humidity of 65%.
Drying / Hardening	■ Protect the fresh mortar from drying out too quickly and from unfavourable weather conditions such as frost, draughts, direct sunlight and direct exposure to driving rain if necessary by hanging with foil. ■ The drying and hardening process will be slowed down by low temperatures and/or high air humidity and accelerated by high temperatures and/or low air humidity.
Subsequent coating / Suitability for coating	■ When using a strasser FLEX flexible adhesive, ceramic tiles can be laid after approx. 2 to 3 days. ■ For all other coverings, the CM residual moisture content defined in the technical regulations or alternatively the specifications issued by the respective covering manufacturer apply.
Cleaning the tools	■ Clean all tools and equipment with water immediately after use.
Notes	■ The following regulations and standards apply to the execution: DIN 18560 “Screeds in construction”; DIN ATV 18353 “Screed work”; EN 13813 “Screed mortar”. ■ When laying tiles on heated screeds, DIN EN 1264-4 applies. ■ When using as a heated screed, the screed is heated up at the earliest 14 days after installation of the screed.

QUANTITY REQUIRED / YIELD

■ consumption: approx. 20 kg/m² per 10 cm layer thickness
■ yield: app. 12 l fresh mortar per 25 kg/sack

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TECHNICAL DATA

Product type	CT-C25-F4 according to DIN EN 13813 and DIN 18560
Water requirement	approx. 2,3 l per 25 kg/sack
Grain	0 – 8 mm
Fire behaviour	A1 (non-flammable) in accordance with EN 13501
Compressive strength	≥ 25 N/mm²
Flexural strength	≥ 4 N/mm²
Layer thickness	25 – 80 mm
Processing time	approx. 45 minutes
Walkability	after approx. 3 hours
Resilience	after approx. 24 hours

All data are average values that were determined under laboratory conditions according to relevant test standards and application tests. Deviations are possible under practical conditions.

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

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. ■ Follow further instructions in the safety data sheet.
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. Should you have any queries relating to a specific application, please contact our technical sales advisor or call our hotline: +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.