FKF

Faserplus flexible adhesive

strasser FLEX
TILE ADHESIVE

fibre-reinforced, highly stable tile adhesive for thin bed laying work

- very good adhesion on non or weakly-absorbent sub-strates
- malleable and stress-dispersing
- flexible

C2 TE acc. DIN EN 12004

Seal:

Applications

- For laying all types of ceramic tiles and moisture-insensitive, non-translucent natural stone coverings.
- for laying on cement, calcium sulphate, asphalt screed, gypsum plaster board and gypsum fibreboard, old tiles, masonry, cement and lime cement plasters, gypsum plasters, concrete, lightweight concrete, aerated concrete, dry screed, SAFE-TEC® floor levelling fillers
- suitable for wall, floor and electrical surface heating
- in the wall and floor area
- for interior and external use

Properties

- flexible
- malleable and stress-dispersing
- for light and supple processing for effortless work
- high stability
- fibre-reinforced
- frost-resistant and water-resistant after hardening
- mineral

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Composition

- Grey cement in accordance with DIN EN 197-1
- finely fractionated silica sand
- alkali-resistant fibres
- 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
- firmly bonding ceramic coverings
- Lime, lime cement or cement base plasters
- Gypsum or gypsum-lime plasters
- gypsum plasterboard and gypsum fibreboard
- Concrete, lightweight concrete, aerated concrete
- flush-jointed masonry
- strasser PLUS DEP insulation and decoupling board or strasser PLUS EKG decoupling textile

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 %.
- Wooden substrates must be screwed firmly with the substrate without vibration. Adhesion-reducing layers must be removed. A tile covering is laid in combination with strasser PLUS DEP insulation and decoupling board.
- 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.

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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-S silica primer, rapid.
- Prime low absorbent, mineral substrates with strasser PRIM DG-S dispersion primer, rapid.
- In case of time-critical work, prime mineral substrates with strasser PRIM DG-S dispersion primer, rapid (can be covered or gone over after approx. 30 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 (≤ 0.16 m²/per tile up to a maximum edge length of 60 cm).
- 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.

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
- approx. 2 hours
- 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 12 months from manufacturing date

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Consumption

Consumption with 4 mm serration	1.5 kg/m²
Consumption with 6 mm serration	2.3 kg/m²
Consumption with 8 mm serration	2.9 kg/m²
Consumption with 10 mm serration	3.3 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

Maturation time	approx. 3 minutes
Adhesive open time	approx. 30 minutes
Processing time	approx. 2 hours
Adhesive bed thickness	2 - 10 mm
Walkability	after approx. 24 hours
Groutability wall	after approx. 8 hours
Groutability floor	after approx. 24 hours
Resilience	after approx. 7 days

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. 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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