

FDS 1K

Flexible sealing slurry



strasser DICHT
WATERPROOFING
AND SEALANTS

1-component, white, flexible sealing slurry

- can be spread, trowelled or sprayed
- crack-filling and permanently elastic
- breathable
- malleable and stress-dispersing
- can be laid with ceramic surfaces after approx. 24 hours
- fast-drying

Is included in the following systems:



Applications

- Waterproofing in bond under ceramic coverings tested by building authorities
- Can be used in accordance with waterproofing standard DIN 18534 on walls and floors for water impact class WO-I to W3-I and crack class R1-I
- as waterproofing of balconies, loggias and pergolas according to DIN 18531 and for waterproofing of awnings
- for sealing swimming pools and water tanks in solid construction according to DIN 18535 indoors and outdoors in water impact class W2-B up to 6 m water depth, crack class R0-B and R1-B, location S1-B and S2-B
- in building regulation-certified system P-1201/052/17 MPA-BS with strasser tile adhesive FLEX FKU, FKC, PLK, FKT, FKN, FKN-S, FK-W
- in the wall and floor area
- for interior and external use

Properties

- permanently elastic
- waterproof
- compatible with silicone
- vapour diffusion permeable
- malleable and stress-dispersing
- frost resistant
- age-resistant



Composition

- Plastic mortar combinations according to the test principles for awarding PG-AIV-F building test certificates

Substrate

Suitable substrates

- Cement and calcium sulphate screeds, heated and unheated
- SAFETEC® floor levelling compounds, floor fillers
- Concrete, lightweight concrete, aerated concrete
- Lime cement plasters and cement plasters
- Gypsum or gypsum-lime plasters
- gypsum plasterboard and gypsum fibreboard
- old, tightly adhering tile coverings
- flush-jointed masonry

Properties/tests

- The substrate must be dry, load-bearing, clean, dust-free and free of adhesion-reducing residues, release agents, efflorescence and sintered coatings.
- 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 %.
- Concrete must be at least 3 months old.
- According to DIN 18535 "Swimming pools and water tanks", the concrete must be at least 6 months old for waterproofing materials to be applied in liquid form in combination with tiles and slabs (AIV-F).

Pretreatment

- Bumps, flaws, gravel pockets and cavities in the area being coated are to be filled evenly with mineral filling compound. Carefully remove ridges and loose parts.
- Carefully remove adhesion-reducing layers and contamination, e.g. dust, sinter layers, efflorescence or release agent residue, using suitable measures.
- 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.

Processing



Temperature

- Do not use or allow to dry and harden in air, material or substrate temperatures of less than +5°C, in the case of expected night time frost or at temperatures of over +25°C, in direct sunlight, extremely heated substrates and/or in strong wind.

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.
- The required consistency can be set by means of the amount of mixing water.
- Do not mix with other products and/or other substances.

Applying

- Piping penetrations and drains, corners, wall and floor connections are to be sealed with the system-associated strasser DICHT FWM Flexible Wall Sleeve, strasser DICHT FBM Flexible Floor Sleeve, DICHT FIE Flexible Inner Corner, strasser DICHT FAE Flexible Outer Corner and strasser Flexible Sealing Tape FDB, respectively. These are to be inserted into the first layer of waterproofing and overlaid with the second.
- Apply the material with a suitable tool, e.g. a stiff brush, trowel or smoothing trowel in 2 to 3 working steps evenly and generously on the substrate. In water exposure class W1-B to W2-B, the product must always be applied in 3 working steps according to the abP.
- Between the individual work stages, the drying time is to be adhered to.
- The following application may only be done once the previously applied layer is sufficiently firm.
- The required minimum dry film thickness depends on the application. In water impact class W0-I to W3-I, the dry film thickness must be at least 2.0 mm (corresponds to approx. 2.5 mm wet film thickness). In water impact class W1-B to W2-B or in applications with pressing water according to DIN 18535, the dry film thickness must be at least 2.5 mm (corresponds to approx. 3.5 mm wet film thickness).
- The dry layer thickness must not exceed 5 mm.

Drying / Hardening

- Before applying the following layer, the previous layer must dry for at least 3 hours.
- The waterproofing layer can be walked on after 24 hours at the earliest.
- Loading with water is permitted at the earliest after 7 days.

Subsequent coating / Suitability for coating

- Before laying the final covering, a drying time of at least 24 hours is to be adhered to.
- For the subsequent installation of ceramic floor coverings, the strasser FLEX tile adhesives tested in the system are to be used.

Cleaning the tools

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

Notes

- In the sector governed by building regulations, the processing specifications of the relevant general building authority test certificate for the sealing system are to be observed to ensure the functionality of the composite sealant. Only the components tested in the system may be installed.
- Only use strasser adhesive mortar, sealing tapes, corners and liners tested in the system.
- The waterproofing is to be protected against damage using suitable measures.



Packaging

- 20 kg/sack

Storage

- Store sacks appropriately and in dry conditions on pallets.
- Can be stored in sealed container/bag for at least 9 months from manufacturing date.

Consumption

- consumption: approx. 1.2 kg/m² per mm dry layer thickness
- The quantity required depends on the substrate and method of application. Determine the exact quantities required by carrying out a trial on site.

Technical Data

Water requirement	ca. 3,5 – 5,0 l per 20 kg/sack
Mixing time	approx. 2-3 minutes
Maturation time	approx. 3 minutes
Processing time	approx. 1 hour
Revisability	after approx. 3 hours
Ready for covering with ceramic tiles	after approx. 24 hours
Density ready for use	approx. 1.5 kg/l
Water vapour diffusion resistance μ	approx. 500
Minimum dry layer thickness	Water exposure class W0-I to W3-I: 2.0 mm Water exposure class W1-B to W2-B: 2.5 mm

All data are average values which have been obtained under laboratory conditions in accordance with relevant test standards and application trials at +20°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.



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. 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.