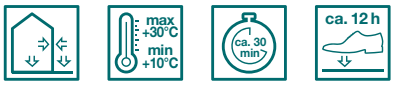
PA
PU sealant

strasser DICHT
WATERPROOFING AND SEALANTS

2-component, crack-bridging reactive resin

- high chemical resistance
- highly flexible
- free-flowing

Is included in the following systems:



Applications

- Waterproofing in bond under ceramic coverings tested by building authorities
- can be used according to waterproofing standard DIN 18534 for water impact classes W0-I to W3-I and crack class R1-I
- can be used according to waterproofing standard DIN 18535 for water impact classes W1-B and W2-B, crack classes R0-B and R1-B, Site S1-B and S2-B
- for interior use in areas subject to excessive moisture and additional chemical effects, e.g. large kitchens and laundries
- for mechanically stressed surfaces
- in building regulation-certified P-5100/435/13 MPA BS system with strasser FLEX FKC, FK-W tile adhesive
- in the wall and floor area
- for interior and external use

Properties

- free-flowing
- 2-component

Composition

- Material basis: 2C polyurethane resin

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Substrate

Suitable substrates

- Cement screeds, heated and unheated
- SAFETEC® floor levelling compounds, floor fillers
- Concrete, lightweight concrete, aerated concrete
- flush-jointed masonry
- Cement fibreboards
- Cement-bonded plasters in category CS II with a compressive strength of at least 2.5 N/mm², CS III or CS IV
- Steel substrates

Properties/tests

- The substrate must be dry, load-bearing, clean, dust-free and free of adhesion-reducing residues, release agents, efflorescence and sintered coatings.
- Concrete must be at least 28 days old.
- When sealing containers, the concrete must be at least 6 months old.
- The residual moisture for cement-based substrates must be 4.0 CM % maximum (heated and unheated).
- Moisture penetration from below is to be avoided.
- The adhesive tensile strength of the substrate should be at least 1.5 N/mm².
- Poured asphalt screeds must be approved by the manufacturer.

Pretreatment

- Before the application of strasser DICHT PA PU waterproofing, all mineral substrates must be primed with strasser PRIM EG epoxy primer.
- To ensure adhesion, the primer must be recoated with strasser DICHT PA PU waterproofing within 24 hours. If this is not possible, the still fresh primer must be sprinkled with strasser PLUS GQS Coarse Quartz Sand immediately after application. Loose, excess quartz sand must be completely removed before applying the waterproofing.
- Pores and cavities in the substrate must be closed after application of the primer to avoid bubble formation in the waterproofing. For this purpose, mix strasser PRIM EG epoxy resin primer in a mixing ratio of 1:1 with strasser PLUS GQS Coarse Quartz Sand and apply as a scratch and blowhole filler.
- Steel substrates must be free of rust, oils, greases and other separating substances. Before applying the strasser DICHT PA PU waterproofing, steel substrates must be mechanically roughened. The corrosion protection is to be ensured.

Processing

Temperature

- Do not use or allow to harden in air, material or substrate temperatures of less than +10°C, in the case of expected night time frost or at temperatures of over +30°C, in direct sunlight, extremely heated substrates and/or in strong wind.

Mixing / Preparation / Processing

- Allow curing component to flow completely into the main component.
- Mix intensively with a slowly running agitator at approx. 300 RPM for at least 3 minutes.
- Then repot into a clean container and intermix thoroughly again.
- For sloping or vertical areas, strasser DICHT PA PU waterproofing with 3 to 5 % by weight of strasser DICHT SPA suspending agent for PU waterproofing is made ready for filling.

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Applying

- Strasser DICHT PA PU-Abdichtung as a bonded waterproofing:
  Strasser DICHT PA PU-Abdichtung must be applied in at least two layers.
  Pipe penetrations and drains, corners, wall and floor connections are to be sealed with the system-related strasser DICHT-FWM Flexible Wandmanschette, strasser DICHT FBM Flexible Bodenmanschette, DICHT FIE Flexible Innenecke, strasser DICHT FAE Flexible Außenecke and strasser Flexibles Dichtband FDB, respectively. These are to be laid into the first layer of strasser DICHT PA PU waterproofing and overlaid with the second.
  Pour the product in sections onto the prepared surface in the first working step and distribute evenly with a trowel or rubber blade. Apply the first coat in approx. 1 mm thickness and deaerate with a spiked roller.
  After approx. 12 hours, apply the 2nd coat with a short-pile lambskin roller or trowel.
  Insert strasser PLUS GQS Coarse Quartz Sand immediately into the freshly applied 2nd coat. Before tiling, completely remove any excess quartz sand that does not adhere firmly.
  The minimum dry layer thickness is 1.0 mm (minimum wet layer thickness 1.1 mm). This requires an application quantity of at least 1.1 kg/m² strasser DICHTPA PU-Abdichtung.
- Strasser DICHT PA PU-Abdichtung as a protective coating:
  Strasser DICHT PA PU-Abdichtung should be applied in two layers.
  Pour the material ready-mixed for the base layer onto the substrate and spread evenly with a short-pile lambskin roller or a smoothing trowel. Then deaerate with a spiked roller.
  If a slip-resistant surface is required, approx. 10 to 20 wt.% strasser PLUS FQS Fine Quartz Sand or strasser PLUS GQS Coarse Quartz Sand can be added to the material mixed for the top coat.
  The top coat is applied with a short-pile lambskin roller approx. 12 hours after the application of the base coat.

Drying / Hardening

- The freshly coated area is to be protected from moisture during the entire hardening phase.
- Curing time before applying the next layer or going over: at least 12 hours
- Areas coated with the product can be walked on after 12 hours.
- Can take full loads after 7 days.
- Timings relate to +23°C and 50% relative humidity.

Subsequent coating / Suitability for coating

- A drying period of at least 24 hours must be observed before the final laying of the covering.
- 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 tools and equipment with thinner immediately after use.

Notes

- The product is not suitable for waterproofing against negative water pressure.
- Strasser DICHT PA PU waterproofing can change colour over time under the influence of UV radiation when used as a protective coating outdoors. This effect has no influence on its functionality, however. In rare cases, soft vehicle tyres can cause discolouration on the protective coating. Not suitable as a protective coating for commercially used areas.
- 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.

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Packaging

- 9 kg/bucket

Storage

- Store in the original, unopened packaging in dry, frost-free conditions.
- can be stored in sealed original container/bag for at least 12 months from manufacturing date

Consumption

- consumption:
  as composite sealant: approx. 1.1 kg/m² per mm coating thickness,
  as protective coating: approx. 0.6 – 1.2 kg/m² total use
- The amount used depends on the condition of the substrate and on the application method. Determine the exact amount by means of a test application on the building.

Technical Data

Colour	grey
Density ready for use	approx. 1.10 kg/l
Viscosity ready for use	approx. 3500
Diffusion equivalent air layer thickness (sd-value)	approx. 54 m
Processing time	approx. 20 minutes
Curing time before adding coats	at least 12 hours
Can be walked on after	after approx. 12 hours
Load-bearing capacity	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.

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Safety and disposal instructions

Safety

- The product is only suitable for commercial users.
- When processing reaction resins, sensitive persons may experience allergic skin reactions. Skin contact is to be prevented by wearing suitable protective clothing. During processing, ensure the construction site is adequately ventilated.
- Hazardous substance in the sense of the German Ordinance on Hazardous Substances.
- Further instructions in the safety data sheet under www.strasser-systeme.de.

GISCODE

- PU40 (PU systems, solvent-free, harmful to health, sensitising)

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.