TKN

Trass natural stone thin bed adhesive

tubag
A trademark of sievert

White trass adhesive for natural stone laying in thin bed method

C2 TE S1 acc. EN 12004

- high bonding strength
- highly flexible
- C2 TE according to DIN EN 12004 / S1 according to DIN EN 12002
- very low emissions EC 1^{PLUS}R

APPLICATIONS

- for laying natural stone coverings sensitive to discolouration using the thin-bed method
- in wall and floor areas, interior and exterior
- for laying on cement, calcium sulphate, plasterboard and gypsum fiber boards, old tile coverings, masonry, cement and lime-cement plasters, gypsum plasters, concrete, lightweight and aerated concrete, dry screed
- suitable for wall, floor and electrical surface heating

PROPERTIES

- malleable and stress-dispersing
- for light and supple processing for effortless work
- long sticky and correctable
- frost-resistant and water-resistant after hardening

COMPOSITION

- white cement in accordance with DIN EN 197-1
- trass in accordance with DIN 51043
- finely fractionated silica sand
- additives for regulating and improving workability and product properties

Technical data sheet status: 23.11.2022
Sievert Baustoffe SE & Co. KG | Mühleneschweg 6 | 49090 Osnabrück
Tel +49 541 601-01 | Fax +49 541 601-853 | www.tubag.de | info@tubag.de

TKN

Trass natural stone thin bed adhesive

tubag
A trademark of sievert

SUBSTRATE

Suitable substrates	■ Dry screeds ■ Cement and calcium sulphate screeds, heated and unheated ■ 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
Properties/tests	■ The substrate must be dry, firm, load-bearing, dimensionally stable, clean and free of adhesion-reducing contamination. ■ At the time of laying, calcium sulphate screeds must have a residual moisture ≤ 0.5 CM % (unheated) or ≤ 0.3 CM % (heated). ■ At the time of laying, cement screeds must have a residual moisture ≤ 2.0 CM % (unheated) or ≤ 1.8 CM % (heated). ■ 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.
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 or filling compounds. ■ 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-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. ■ Prime highly absorbent, mineral substrates with strasser PRIM DTG-P Dispersionstiefengrund premium. ■ Calcium sulphate screeds are to be sanded and vacuumed if necessary. When laying small-format tile coverings, calcium sulphate screeds are pre-treated with strasser PRIM DG-S dispersion primer, rapid. When laying large-format tile coverings, one layer is pretreated with strasser PRIM EG epoxy resin primer or two layers with strasser PRIM ESA epoxy protective coating and sanded with strasser PLUS GQS coarse quartz sand. After hardening, excess loose sand remove thoroughly.

TKN

Trass natural stone thin bed adhesive

tubag
A trademark of sievert

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.
Processing	■ 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. ■ Once the skin starts to form on the surface of the combed on adhesive bed, no more coverings can be laid.
Processing / Working time	■ approx. 4 hours ■ Mortar that has already started to harden must never be thinned down with additional water, remixed or applied. ■ Timings relate to +23°C and 65% relative humidity.
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.
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. ■ When laying tiles on heated screeds, DIN EN 1264-4 applies. ■ 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

QUANTITY REQUIRED / YIELD

■ consumption:
approx. 1.5 kg/m² with 4 mm toothing
approx. 2.5 kg/m² with 6 mm toothing
approx. 3.0 kg/m² with 8 mm toothing
approx. 3.5 kg/m² with 8 mm toothing

TKN

Trass natural stone thin bed adhesive

tubag
A trademark of sievert

TECHNICAL DATA

Maturation time	approx. 3 minutes
Adhesive open time	approx. 30 minutes
Processing time	approx. 30 minutes
Adhesive bed thickness	2 - 10 mm
Walkability	after approx. 24 hours
Groutability wall	after approx. 24 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 information can be found in the safety data sheet at www.tubag.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. Should you have any queries relating to a specific application, please contact our technical sales advisor or call our hotline: +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.