

Highly malleable flexible grout mortar

- can be spread as slurry grout
- TNF-s: Joint width 2 – 7 mm
- TNF-b: Joint width 3 – 15 mm



APPLICATIONS

- for grouting polished or ground natural stone slabs
- for grouting natural stone slabs and ceramic coverings susceptible to discolouration according to the requirements of DIN 18332 and DIN 18352
- in damp and wet areas
- for floor coverings on terraces, balconies, staircases, stair landings, window sills, underfloor heating systems (heated screeds)
- for Limestone slabs (Solnhofen, Jura marble, travertine), crystalline marble (Carrara, Sabiato, Thassos), Granite, Basalt, Stoneware, Earthenware, Fine stoneware, Cotto, Glass and sinter glass mosaics
- for interior and external use

PROPERTIES

- mineral
- smooth and easy to process
- produces a neat, rustic and crack-free joint pattern
- weather and frost resistant after hardening
- highly flexible
- water retention capacity, stiffening and washing off behaviour specially designed for low-absorbent coverings
- hydraulically curing and hardening
- colour: grey

COMPOSITION

- cement in accordance with DIN EN 197-1
- trass in accordance with DIN 51043
- graded silica sand according to DIN EN 13139
- additives for regulating and improving workability and product properties

SUBSTRATE

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| Properties/tests | ■ Laid coverings may only be grouted once the mortar bed has completely hardened. |
| Pretreatment | <ul style="list-style-type: none"> ■ Scratch the joints out evenly deep before the bedding mortar hardens and clean them. ■ In case of absorbent coverings, pre-wet the joint immediately before grouting. |

PROCESSING

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| Temperature | <ul style="list-style-type: none"> Do not use or allow to dry in air or substrate temperatures of less than +0°C, in the case of expected night time frost or at temperatures of over +30°C, in direct sunlight, and/or in strong wind. |
| Mixing / Preparation / Processing | <ul style="list-style-type: none"> 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 rest for a moment and then mix again, adding more water, if required, to achieve the right consistency for applying. Do not mix with other products and/or other substances. |
| Processing | <ul style="list-style-type: none"> Slurry the grout diagonally to the course of the joint with a suitable hard rubber board or foam rubber grout board flush with the surface. Smooth off excess mortar and grout again with fresh material if necessary once it has set. After sufficient tightening of the mortar (finger test), wash off excess material with a firm and slightly damp sponge or sponge board diagonally to the joint line without washing out the joint surface. If the paving units have bevelled edges, the level of the grout after cleaning must be no higher than the bottom edge of the bevel. |
| Processing / Working time | <ul style="list-style-type: none"> approx. 30 minutes Mortar that has already started to harden must never be thinned down with additional water, remixed or applied. Timings relate to +20°C and 50% relative humidity. |
| Drying / Hardening | <ul style="list-style-type: none"> 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 area grouted with TNF-s can be grouted after approx. 12 hours (TNF-b: after approx. 5 hours) and loaded after approx. 48 hours. Timings relate to +20°C and 65% relative humidity. |
| Cleaning the tools | <ul style="list-style-type: none"> Clean all tools and equipment with water immediately after use. |
| Notes | <ul style="list-style-type: none"> Unevenly mixed material, residual moisture in the substrate or unevenly absorbent substrates and coverings as well as unevenly deep joints can lead to uneven, patchy drying of the grout. We recommend performing a grouting test before carrying out the work. In case of unfavourable hardening conditions, the quality and aesthetics of the joint can be improved by treating it afterwards with clean tap water. |

PACKAGING

- 25 kg/sack

STORAGE

- Store sacks appropriately and in dry conditions on pallets.

TECHNICAL DATA

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| Joint width | TNF-s: 2 - 7 mm, TNF-b: 3 - 15 mm |
| Grain | TNF-s: 0 - 0.25 mm, TNF-b: 0 - 0.5 mm |
| Colour | grey |
| Processing temperature | +5°C to +30°C |
| Water requirement | approx. 7.5 l per 25 kg/sack |
| Processing time | approx. 30 minutes |
| Walkability | TNF-s after approx. 12 hours, TNF-b: after approx. 5 hours |
| Resilience | after approx. 48 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.

SAFETY AND DISPOSAL INSTRUCTIONS

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| Safety | <ul style="list-style-type: none"> ■ 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 | <ul style="list-style-type: none"> ■ ZP1 (products containing cement, low-chromate) |
| Disposal | <ul style="list-style-type: none"> ■ Completely empty and recycle the packaging. ■ Dispose of the material in accordance with the official regulations. ■ 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 (concreteste 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. 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.