

TKV-p

Trass lime filling grout mortar

Mortar for masonry filling and pressure grout under light pressure

- enhanced with additives
- compressive strength: approx. 5 N/mm² after 28 days, medium water demand



APPLICATIONS

- for restoring and repairing historic masonry
- for producing filling grout mortar to fill cavities

PROPERTIES

- mineral
- modified and stabilised
- colour: grey

COMPOSITION

- Trass lime according to DIN EN 459-1
- trass in accordance with DIN 51043
- graded stone aggregates in accordance with DIN 13139

SUBSTRATE

Pretreatment

- The substrate is to be pre-wet before filling depending on the absorbency of the masonry using the pipes laid for this purpose.
- Pre-wetting should be done thoroughly and in good time, days beforehand if need be.
- This ensures that not too much mixing water is extracted from the introduced mortar, which would lead to an incomplete filling and to an inadequate bonding strength and reduced mortar strength.

PROCESSING

Temperature	<ul style="list-style-type: none">■ Do not process, allow to cure or harden in air, material or substrate temperatures of less than +5°C and over +30°C, in direct sunlight, and/or in strong wind.
Mixing / Preparation / Processing	<ul style="list-style-type: none">■ Mix dry mortar to the right consistency with clean water in a continuous, drum or compulsory mixer.■ 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.■ Mix for at least 3 minutes with an agitator working in opposite directions.■ The consistency of the mortar is to be adjusted to the structural conditions.■ Do not mix with other products and/or other substances.
Processing	<ul style="list-style-type: none">■ Suitable machinery (e.g. worm or piston pumps) can be used for the filling process.■ We recommend carrying out the filling process via pipes fitted in the wall.
Processing / Working time	<ul style="list-style-type: none">■ Approx. 60 minutes at 20°C and 65% relative air humidity■ Mortar that has already started to harden must never be thinned down with additional water, remixed or applied.
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.
Cleaning the tools	<ul style="list-style-type: none">■ Clean all tools and equipment with water immediately after use.

PACKAGING

- 20 kg/sack
- 35 kg/sack
- 28 kg/bag
- 29 kg/bag
- 40 kg/bag

STORAGE

- Store sacks appropriately and in dry conditions on pallets.

QUANTITY REQUIRED / YIELD

- yield: approx. 650 litre wet mortar per tonne depending on consistency and grain structure
- yield: ca. 10 l fresh mortar per 20 kg/sack
- yield: app. 17.5 l fresh mortar per 35 kg/sack

TECHNICAL DATA

Binder base	Trass lime
Compressive strength	≥ 5 N/mm ²
Grain	0 mm, 0 – 1 mm, 0 – 2 mm
Processing temperature	+5°C to +30°C
Water requirement	approx. 10,0 l per 20 kg/sack, approx. 14 litres per 28 kg/bag, ca. 14,5 l per 29 kg/bag, ca. 17,5 l per 35 kg/sack, ca. 20 l per 40 kg/bag
Processing time	approx. 60 minutes

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

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.■ Follow further instructions in the safety data sheet.
Disposal	<ul style="list-style-type: none">■ 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.