



Technisches Merkblatt
Art. No. 1022, 1023, 1026

Joint Mortar TK

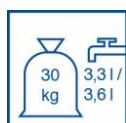
Trass-lime joint mortar

For repairing joints in masonry work. Made of mineral binders, natural aggregates and alkali resistant, lightfast pigments

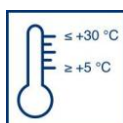
Low in chromates according to RL 2003/53/EC



For use
indoors and
outdoors



Dry mortar /
water



Working
temperature



Mixing time



Joint iron



Shelf-life



Protect from
moisture

Range of use

- For horizontal, vertical and longitudinal joints in walls, pillars and partition walls made of load-bearing and non-load-bearing masonry work
- For manually pointing brick and natural stone masonry with joints from approx. 8-30 mm wide

Property profile

- Lime and trass based, factory-mixed, dry mortar with high sulphate resistance and low effective alkali content
- Ready to use after mixing with water
- Sets hydraulically as well as by carbonation
- High adhesion capacity
- Favourable flexural / compressive strength ratio, making the mortar less sensitive to cracks
- Diffusion-open
- Resistant to water, weather and frost
- The user can choose between two grain sizes, depending on masonry work

Characteristic data of the product

Bulk density:	approx. 1.5 kg/dm ³
Water requirements (fine/medium):	approx. 12 % / approx. 11 %
Compressive strength:	≥ 10 N/mm ² (M10)
Dyn. E-modulus:	≥ 10,000 N/mm ²
Air void content:	approx. 30 % by volume
Quality controlled:	GG-Cert, Cologne

Art. No.	Formulation
1022	normal, fine - largest grain 1.0 mm, special colour
1023	normal, medium - largest grain 2.0 mm, special colour
1026	normal, fine - largest grain 1.0 mm, trass grey (MF 483)

- A water repelling formulation (hydrophobic) is also available upon request

loose material. Pre-wet the open, cleaned joint.

Substrate

Chase out joints without damaging the sides of the joints. Missing areas in joints should be filled with a suitable mortar.

Prepare the joints so that there is an average depth of at least 2 cm (depending on joint width) for the new pointing. After the joints have been mechanically prepared, clean thoroughly, e.g. by blowing out with compressed air, to remove all

Directions

Pour **approx. 3.3 l / 3.6 l water** into a clean container. Add **30 kg Joint Mortar TK** and mix thoroughly for approx. 1.5 minutes until homogenous and a lump-free, plastic to earth-moist consistence proper for working has been achieved. If necessary, a little more water can be added. It is recommended to apply the mortar in two layers if possible. Press the joint mortar into the joint and level flush but do not "iron".

Mix only the quantity of mortar that can be worked within approx. 2 hours.

Curing

Protect fresh mortar surfaces for at least 1 day from drying out too quickly and sun, wind, rain, drafts and frost (if necessary, hang plastic sheets).

Notes

It is always recommended to carry out trial pointing to check whether the shade of colour, strength and adhesion to the sides of the joints meets requirements.

The actual final colour can only be assessed after the mortar has dried and set and depends on actual ambient conditions as well as the method of application. A freshly smoothed surface will be lighter compared to a surface that was smoothed later or roughened. If a certain colour must be matched, trial pointing should be carried out first before the actual work is begun.

Initially set mortar cannot be made workable again by adding water or fresh mortar.

Do not use if the temperature of the air, substrate and building material is below +5 °C or above +30 °C.

The characteristic data given for the product was determined under laboratory conditions at 20 °C and 65 % relative humidity. Low temperatures lengthen, high temperatures reduce working and setting time.

If efflorescence becomes visible caused by unfavourable weather or insufficient curing, it can be removed after 1 - 2 weeks with

Clinker Cleaner AC (Art. No. 0672). To reduce water absorption, the entire facade can be subsequently treated with a hydrophobic impregnation agent.

Do not use on facades on which there is moisture ingress from behind to prevent discoloration caused by efflorescence. There may be slight deviations in the colour of different batch numbers! Use only the same batch numbers; otherwise, mix the batches.

Tools, cleaning

Mortar mixer, mixing paddle, trowel and jointing iron.
Clean tools and equipment with water before the mortar sets.

Packaging, application rate, storage

Packaging:

30 kg paper bags

Application rate – dry mortar:

Depending on joint depth and width:

For 1 mm grains approx.

1.6 kg/litre joint void

For 2 mm grains approx.

1.7 kg/litre joint void.

Shelf-life:

At least 12 months stored dry in closed bags

Safety, ecology, disposal

Further information on safety when transporting, storing and handling as well as disposal and ecology is found in the latest Safety Data Sheet.



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GBI P32-1

EN 998-2: 2010-09

Fugenmörtel TK

Designed general purpose masonry mortar for internal and external use in elements subject to structural requirements

Compressive strength:	M 10
Bond strength: (Initial shear strength) 771)	0,15 N/mm ² (tab. value EN 771)
Contents of chlorides:	≤ 0,01 M.-%
Reaction to fire:	class A1
Water absorption: kg/(m ² ·min ^{0,5})	≤ 0,40
Water vapour permeability: (tab. value EN 1745)	μ 5 / 35
Thermal conductivity (λ _{10,dry}):	≤ 0,83 W/(mK) (tab. value EN 1745)
	for P = 50% ≤ 0,93 W/(mK) for P = 90%
Durability: (against freeze-thaw)	Resistant by use acc. TDS
Dangerous substances:	NPD

The statements above are compiled from our field of production and according to the latest technological developments and application techniques.

Since application and working are beyond our control, no liability of the producer can be derived from the contents of this information sheet. Any statements made beyond the contents of this information must be confirmed in writing by the producer.

In all cases, our general conditions of sale are valid. With the publication of this Technical Information Sheet all previous editions are no longer valid.



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