



# P.T.B.-GROUTMIX

Shrink-resistant  
grout mortar



## Characteristics



P.T.B.-GROUTMIX is a dry, ready-for-use grout mortar on the basis of cement with very good self-running and excellent adhesion properties, appropriate for use both indoors and outdoors.

P.T.B.-GROUTMIX consists of cement, different kinds of selected quartz sand and high-quality additives. By simply adding water, one obtains a shrink-resistant grout mortar with a high final strength that bonds perfectly to concrete, mortar and steel.

P.T.B.-GROUTMIX has shrinkage compensating and fast curing properties, thus allowing the installation or the machine to be taken into service quickly.

P.T.B.-GROUTMIX is used for the shrink-free grouting of pylons, rails, sections, anchor bolts, machines. Etc.

Mixing ratio	Consumption	Packaging
± 3 to 3,5 l water per bag of 25 kg (± 12 to 14 %)	± 2 kg/mm per m <sup>2</sup>	25 kg
Colours	Processing time	Compressive strength
grey	± 30 min	after 7 days: ± 60 N/mm <sup>2</sup>

## Directions for use

The application shall be carried out on a non-frozen, clean, well maintained surface free of dust and oil spots and bits of loose substances. Porous surfaces need to be lightly dampened prior to application with a layering of COMPAKTUNA@(PRO)/water solution (1/4) or with P.T.B.-PRIMER.

P.T.B.-GROUTMIX is prepared with  $\pm 12$  to 14% of water, this being about  $\pm 3$  to 3,5L of water per 25 kg of product, depending on the desired consistency.

Pour  $\pm 4/5$  of the required quantity in a mortar tub or in a mechanical mixer, and add slowly and steadily the dry grout mortar. Mix everything intensively with a mixer running at a low speed during 5 minutes until a mass without lumps is obtained. Next, add the remaining  $1/5$  of the amount of water. The grout mortar is then mixed for at least another 3 minutes.

When casting P.T.B.-GROUTMIX, work from one side (side or angle) only in order to avoid any inclusion of air.

P.T.B.-GROUTMIX can be poured, pumped and vibrated.

## Remarks

- Always observe precisely the correct amount of make-up liquid; adding too much water will lead to poor results.
- The maximum thickness of the layer is 4 cm.
- The processing temperature is from  $+5^{\circ}\text{C}$  to  $+30^{\circ}\text{C}$  (this applies to the surface as well to the ambient temperature around).
- The best results with P.T.B.-GROUTMIX are obtained when the product is applied within 10 minutes after mixing. During cold weather, prepare P.T.B.-GROUTMIX with warm water, if necessary.
- P.T.B.-GROUTMIX does not contain any chlorides or metal particles but offers excellent protection against corrosion for metal elements due to its alkalinity.
- Protect curing P.T.B.-GROUTMIX from freezing, rain, strong winds and direct sunlight.
- During curing, protect P.T.B.-GROUTMIX from drying out by covering it with a plastic foil or by regularly keeping it wet with a fine water spray.
- The processing time of P.T.B.-GROUTMIX is 30 minutes.
- Cracks, if any, that could appear are only surface cracks and have no adverse effect on the success of the grout job.
- Resistance class:  $60 \text{ N/mm}^2$  after 7 days.
- Maximum grain size: 4 mm.

## Packaging

P.T.B.-GROUTMIX is available in bags of 25 kg. Each bag contains a polyethylene inner bag that is a guarantee for long-term keeping.

Refer to clause p. 2.

