



# P.T.B.-CHAPMIX-RAPID

CE	
POLYTECHNISCH BEDRIJF BV/SRL – P.T.B.-COMPAKTUNA® INDUSTRIEPARK ZWIJNAARDE 6 9052 GENT – BELGIUM	
12	
046/CPR/130701	
EN 13813	
P.T.B.-CHAPMIX-RAPID	
Cementgebonden dekvloer voor gebruik binnen/ Chape à base de ciment à usage à l'intérieur/ Zement-Estrichmörtel für die Anwendung Innen/ Cementitious screed material for internal use	
Brandklasse/Résistance au feu/Brandverhalten/ Reaction to fire:	A1
Vrijstelling van corrosieve stoffen/Emission de substances corrosives/ Freisetzung korrosiver Substanzen/Release of corrosive substances:	CT
Druksterkte/Résistance à la compression/ Druckfestigkeit/Compressive strength:	C20
Buigsterkte/Résistance à la flexion/ Biegezugfestigkeit/Flexural strength:	F4

## Characteristics



+30°

+5°

## Fast-curing screed



P.T.B.-CHAPMIX-RAPID is a dry, ready-to-use screed on the basis of cement and is only appropriate for indoor applications.

P.T.B.-CHAPMIX-RAPID is made up of cement, selected quartz sands and high-quality aggregates. By simply adding water, one obtains a screed having a high final resistance, an accelerated curing, and reduced shrinkage characteristics.

P.T.B.-CHAPMIX-RAPID is used for producing cement-bonded screeds.

For the installation of tiles in a mortar bedding, please refer to our product P.T.B.-EGALCOL.

For the installation of tiles on a screed, please refer to our products P.T.B.-KLEEFCEMENT PLUS, FLEXcement®, FLEXcement® PLUS, P.T.B.-DIKBED-FLEX.

P.T.B.-CHAPMIX-RAPID cures fast, and can be tiled after 1 day (at + 20°C). After 3 days of curing, one can lay parquet, cork, and the like if the residual humidity is less than 2.5%. Therefore, P.T.B.-CHAPMIX-RAPID is particularly appropriate for renovation works in e.g. shops, offices, and the like.

### TECHNICAL CHARACTERISTICS

Corresponds to the requirements according NBN EN 13813

Compressive strength	after 7 days	≥ 16
	after 28 days	<b>(C20)</b> ≥ 20
Flexural strength	after 7 days	≥ 3
	after 28 days	<b>(F4)</b> ≥ 4
Residual moisture	after 24h (40 mm)	ca.3,5% (*)

(\*) = With carbide measurement (CM)

Mixing ratio	Consumption	Packaging
± 2 L of water per 25 kg bag (± 8 %)	± 1.7 kg/mm/m <sup>2</sup>	25 kg PE
Colours	Processing time	Application temperature
light grey	± 30 min.	+ 5°C till + 30°C

## Directions for use

### 1. Base

#### Adhesive screed

One always works on a rough, healthy surface that is free of dust and oil and loose particles. Absorbing surfaces are moistened and pretreated with a COMPAKTUNA® (PRO)/water solution (1/4) or with P.T.B.-PRIMER. On a paved surface, a binding bridge is applied with COMPAKTUNA® (PRO). This binding bridge comprises 1 volume part COMPAKTUNA®(PRO) and 2 volume parts of pure water, to be mixed in advance, to which a dry mixture is added comprising one half of cement and one half of coarse river sand, until a thick, yet spreadable, mass is obtained. P.T.B.-CHAPMIX-RAPID is applied to this coating wet-in-wet.

#### Floating screed

The foil should be sufficiently overlapping and protrude from the screed. On insulating bases, such as P.T.B.-ISO-M, one can apply it both in a binding manner and in a floating manner.

### 2. Processing

P.T.B.-CHAPMIX-RAPID is produced with approx. 8% of water, this being 2 litres of water to 25 kg of product depending on the desired consistency. Mix the entire mass intensively with a slowly rotating mixer for 3 minutes, until a lump-free, homogeneous screed mortar is obtained. Spread the screed mortar, bring it to level and compress it. Screed mortar that is left uncompressed has a high percentage of voids, and will therefore develop a low compression strength. It is also recommended to reinforce the screed.

## Remarks

- The minimum coating thickness of P.T.B.-CHAPMIX-RAPID:
  - binding: 20 mm
  - floating: 50 mm
- The maximum overall coating thickness of P.T.B.-CHAPMIX-RAPID is 80 mm.
- Compression resistance after 7 days:  $\geq 16$  MPa
- Pedestrian traffic: after 4 hours
- The processing temperature ranges from + 5°C to + 30°C (applies to both the base and the ambient). While curing, protect P.T.B.-CHAPMIX-RAPID from drying out by covering it with plastic film or by keeping it wet regularly with a fine water mist, also at low temperatures.
- The processing time of P.T.B.-CHAPMIX-RAPID is 30 minutes at + 20°C.
- The joints in the base must be copied.
- P.T.B.-CHAPMIX-RAPID cannot be used as final coating. For levelling of an uneven or damaged floor, please refer to P.T.B.-EGALISER-EN and P.T.B.-EGALISER-EN PLUS.
- P.T.B.-CHAPMIX-RAPID is temperature-dependent: higher temperatures shorten the processing time, lower temperatures will delay the taking into service of the floor.
- P.T.B.-CHAPMIX-RAPID should not come into contact with gypsum during the curing.

## Packaging

P.T.B.-CHAPMIX-RAPID is available in light grey colour in polyethylene bags of 25 kg. The shelf life is 12 months in the original, closed packaging and kept dry.

