

# P.T.B.-CHAPMIX -RAPID



POLYTECHNISCH BEDRIJF BV/SRL – P.T.B.-COMPAKTUNA® INDUSTRIEPARK ZWIJNAARDE 6 9052 GENT – BELGIUM

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/Resistance au feu/Brandverhalten/ Reaction to fire: Vrljstelling van corrosieve stoffen/Emission de substances corrosives/ Freisetzung korrosieve Substancen/Release of corrosieve substances: Druksterkle/Resistance à la compression/ Druckfestigkel/ICompressive strength Bulgsterkle/Resistance à la fexion/Blegezuglestigkel/Flexural strength:

# **Fast-curing screed**





## **Characteristics**

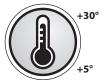












P.T.B.-CHAPMIX-RAPID is a dry, ready-to-use screed on the basis of cement and is only appropriate for indoor applications.

P.T.B.-CHAPMIX-RAPID is made up of cement, selected quarz 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.-

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		requir	Corresponds to the requirements according NBN EN 13813	
Compressive strength	after 7 days		≥ 16	
	after 28 days	(C20)	≥ 20	
Flexural strength	after 7 days		≥ 3	
	after 28 days	(F4)	≥ 4	
Residual moisture	after 24h (40 mm)		ca.3,5% (*)	

(\*) = With carbide measurement (CM)

Mixing ratio	Consumption	Packaging
$\pm$ 2 L of water per 25 kg bag ( $\pm$ 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

# P.T.B.-CHAPMIX-RAPID

# **Directions for use**

# 1. <u>Base</u>

#### 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 course 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

# **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: ≥ 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.







