



P.T.B.-CHAPMIX-RAPID

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POLYTECHNISCH BEDRIJF BVBA/SPRL – P.T.B.-COMPAKTUNA® INDUSTRIEPARK ZWIJNAARDE 6 9052 GENT – BELGIUM	
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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:	A1
Vrijstelling van corrosieve stoffen/Emission de substances corrosives/ Freisetzung korrosiver Substanzen/Release of corrosive substances:	CT
Waterdampdoorlaatbaarheid/Perméabilité à l'eau/Wasserdurchlässigkeit/Water permeability:	NPD
Waterdampdoorlaatbaarheid/Perméabilité aux vapeurs d'eau/ Wasserdampdurchlässigkeit/ Water vapour permeability:	NPD
Druksterkte/Resistance à la compression/ Druckfestigkeit/Compressive strength:	C20
Buigsterkte/Resistance à la flexion/ Biegezugfestigkeit/Flexural strength:	F5
Slijtweerstand/Resistance à l'usure/ Verschleißwiderstand/Wear resistance:	NPD
Geluidsisolatie/Isolation au bruit/ Schallschließung/Sound insulation:	NPD
Geluidabsorptie/Absorption du bruit/ Schallabsorption/Sound absorption:	NPD
Warmteweerstand/Resistance thermique/ Wärmedämmung/Thermal resistance:	NPD
Chemische weerstand/Resistance chimique/ Chemische Beständigkeit/ Chemical resistance:	NPD

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 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 strenght	after 7 days	≥ 16
	after 28 days	(C20) ≥ 20
Flexural strenght	after 7 days	≥ 4
	after 28 days	(F5) ≥ 5
Residual moisture	after 24h (40 mm)	ca.3,5% (*)

(*) = With carbide measurement (CM)

Mixing ratio	Consumption	Packaging
± 2.25 litres to 2.75 litres of water per 25 kg bag (approx. 9 to 11%)	± 1.7 kg/mm ² in powder form	25 kg
Colours	Processing time	Application temperature
Brown-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. 9% to 11% of water, this being 2.25 litres to 2.75 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: ≥ 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.

Packaging

P.T.B.-CHAPMIX-RAPID is available in bags of 25 kg. Each bag contains a polyethylene inner bag. P.T.B.-CHAPMIX-RAPID can be kept for 6 months in the original, unopened packaging when stored in a dry place.

