



P.T.B.-EGALISER-EN

Fast-levelling mortar
0,5-10 mm

CE	
POLYTECHNISCH BEDRIJF BV/SRL – P.T.B.-COMPAKTUNA® INDUSTRIEPARK ZWIJNAARDE 6 9052 GENT – BELGIUM	
09	
048/CPR/130701	
EN 13813	
P.T.B.-EGALISER-EN 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:	E
Vrijstelling van corrosieve stoffen/Emission de substances corrosives/ Freisetzung korrosiver Substanzen/Release of corrosive substances:	CT
Waterdoorlaatbaarheid/Perméabilité à l'eau/Wasserdurchlässigkeit/Water permeability:	NPD
Waterdampdoorlaatbaarheid/Perméabilité aux vapeurs d'eau/ Wasserdampfdurchlässigkeit/ Water vapour permeability:	NPD
Druksterkte/Résistance à la compression/ Druckfestigkeit/Compressive strength:	C25
Buigsterkte/Résistance à la flexion/ Biegezugfestigkeit/Flexural strength:	F5
Slijtweerstand/Résistance à l'usure/ Verschleißwiderstand/Wear resistance:	NPD
Geluidsoliëatie/Isolation au bruit/ Schallsollierung/Sound insulation:	NPD
Geluidsabsorptie/Absorption du bruit/ Schallsorption/Sound absorption:	NPD
Warmteweerstand/Résistance thermique/ Wärmedämmung/Thermal resistance:	NPD
Chemische weerstand/Résistance chimique/ Chemische Beständigkeit	NPD
Chemical resistance:	NPD



Characteristics



+30°

+5°

P.T.B.-EGALISER-EN is a dry, ready-to-use, fast-levelling mortar designed for floors, appropriate for indoor use. P.T.B.-EGALISER-EN is made of cement, choice quartz sands, and high-quality additives.

By the simple addition of water, a self-levelling mortar is obtained, with the following primary properties:

- an excellent self-deliquescence
- fast hardening
- excellent adhesion
- high resistance after curing.

P.T.B.-EGALISER-EN contains very fine graded silica sand and allows to place very thin layers and to obtain a smooth surface. P.T.B.-EGALISER-EN allows for smoothing unevenness from 0,5 mm to 10 mm in one single layer. P.T.B.-EGALISER-EN is set to light foot traffic after ± 3 hours and could be covered with ceramic floors after ± 24 hours. P.T.B.-EGALISER-EN offers an ideal substrate for tile work, lamination, parquet, broadloom, cork, vinyl, linoleum P.T.B.-EGALISER-EN has very low emissions of volatile organic compounds.

Curing time (+ 20°C, 65% relative humidity and + 18°C foundation temperature)

Accessible	± 3 hours
Able to bear weight after	± 24 hours
Able to be tiled with vapour-open and ceramic coverings (woven textile, ...)	± 24 hours (5 mm layer)
Able to be covered with vapour-tight coverings (linoleum, skinplate, cork, parquet, lamination, ...)	-
	At residual moisture content of ≤ 2% (*)

TECHNICAL CHARACTERISTICS

Corresponds to the requirements according NBN EN 13813

Compressive strenght	after 4 hours	± 12
	after 24 hours	± 18
	after 7 days	± 25
	after 28 days	(C25) ± 29
Flexural strenght	after 4 hours	± 3,5
	after 24 hours	± 5
	after 7 days	± 5,5
	after 28 days	(F5) ± 6
Residual moisture	after 24 hours (5 mm)	± 4 % (*)

(*) = Carbide Method (CM)

Mixing ratio	Consumption	Packaging
± 5 l water/bag of 20 kg (± 25 %)	± 1,55 kg/mm/m ²	20 kg PE
Colours	Processing time	Application temperature
Grey	± 25 min	+ 5°C till + 30°C

Directions for use

1. The substrate

Substrates requirements

The application shall be carried out on a stable, healthy & dry surface free of dust and oil spots and bits of loose substances. Suitable substrates are floor slabs, rough concrete, elements in prefab-concrete, mortar layers, floors with floor heating (not in operation), old tiled floors, and the like. Smooth substrates (for instance, polished concrete) must be roughened or sanded first. The product should not be used on floors that are constantly subjected to dampness or to upwelling moisture or on unstable floors, or outdoors.

When screeds applied on underfloor heating the residual moisture content of those must be $\leq 1,8\%$ (Calcium Carbide measuring).

Primers

Porous surfaces e.g. cement screeds, rapid-cement screeds and rough concrete need to be lightly dampened prior to application with a layering of COMPAKTUNA®(PRO)/water solution (1/3).

Non-absorbent, smooth, dense substrates like e.g. ceramic floor coverings or smooth concrete must be pre-treated with undiluted P.T.B.-PRIMER BL.

2. Application

P.T.B.-EGALISER-EN is made up with $\pm 25\%$ water, that is ± 5 l of water per bag of 20 kg, depending on the desired consistency. Per bag of 20 kg, empty the required volume of water in a mortar tub and slowly and evenly add the dry levelling mortar quantity. With a slowly rotating mixer, blend the contents vigorously for 2 minutes until you achieve a homogeneous and lump-free mixture suitable for pouring mortar. Let the levelling mortar stand undisturbed for 2 minutes. Next, again stir the mixture vigorously.

Next pour out the P.T.B.-EGALISER-EN in strips along the floor. A light smoothing out with a hand puller, a equalizing float, or a pin roller may be desirable.

Remarks

- P.T.B.-EGALISER-EN is applied in 1 or 2 layers. In case a second layer becomes necessary, apply it as soon as the first one has hardened. When placing 2 layers of P.T.B.-EGALISER-EN, before applying the second layer, the first layer must first be primed with undiluted P.T.B.-PRIMER BL. The second layer can be applied after film formation (± 1 hour) of the primer.
- A P.T.B.-EGALISER-EN layer's maximum total thickness is 10 mm.
- 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). Do not apply in direct exposure to sunlight.
- The processing time for P.T.B.-EGALISER-EN is 25 minutes at $+ 20^{\circ}\text{C}$. P.T.B.-EGALISER-EN is sensitive to the temperature: higher temperatures will shorten the processing time; lower temperatures will delay the readiness of the floor for use.
- Protect P.T.B.-EGALISER-EN against frost during the hardening time, also against rain, gusts of winds, and direct exposure to sunlight.
- P.T.B.-EGALISER-EN is not a final coat.
- A minimum layer thicknesses of 3 mm screed is required for applications under parquet floorings.
- Activate underfloor heating only by CM-measurement $\leq 2\%$ CM.
- P.T.B.-EGALISER-EN is a ready-made product. Do not add cement, plastic dispersions, sand, or other similar additives.
- P.T.B.-EGALISER-EN should not come into contact with gypsum during the curing.
- Surface expansion joints must be retained in the levelling mortar's coating.

Packaging

P.T.B.-EGALISER-EN is available in grey colour in polyethylene bags of 20 kg. The shelf life is 12 months in the original, closed packaging and kept dry.

