



P.T.B.-BETOFINISH®

Levelling mortar

 <small>965</small>
POLYTECHNISCH BEDRIJF BVBA/SPRL – P.T.B.-COMPAKTUNA® INDUSTRIEPARK ZWIJNAARDE 6 9052 GENT – BELGIUM
<small>13</small>
310/CPR/130701 EN 1504-3 P.T.B.-BETOFINISH® PCC mortel voor niet-structurele herstelling van beton/ Mortier à base de ciment hydraulique (PCC) pour la réparation non structurelle du béton/ Mortar based on hydraulic cement (PCC) for non-structural repair of concrete structures/ Zementmörtel (PCC) zur Instandsetzung (nicht statisch) von Betontragwerken
<p>Druksterkte/Résistance à la compression/Compressive strength/ Druckfestigkeit: class R1 Chloride-ion gehalte/ Teneur en ions chlorure/ Chloride ion content/ Chloridionengehalt : ≤ 0,05% Hechtsterkte/Adhérence/Adhesive Bond/ Haftvermögen: ≥ 0,8 MPa Gehinderde krimp/ Retrait expansion empêchés/ Restrained shrinkage/ expansion/ Behinderdes Schwinden/Quellen : NPĐ Gevaarlijke stoffen/ Substances dangereuses/ Dangerous substances/ Gefährliche Substanzen : comply with 5.4 Brandklasse/Résistance au feu/ Reaction to fire/ Brandverhalten : F</p>



Qualities



P.T.B.-BETOFINISH® is a dry composition that will give a ready-to-use pasty mortar by the simple addition of water, for smoothing out imperfections, repairing, levelling and local repair of walls and ceilings of decorative concrete, concrete structures, cement based plasters, lime/cement based plasters and rough masonry.

P.T.B.-BETOFINISH® consists of selected quartz sand and cements types, enriched with high quality additives which provides the product its very high qualities. To the inside walls of gas concrete, of lime sandstone, ... P.T.B.-BETOFINISH® can be used.

P.T.B.-BETOFINISH® is suited for indoor and outdoor use.

For extra adhesion, flexibility, water resistance, and durability it is recommended to mix P.T.B.-BETOFINISH® with a solution consisting of 1 part COMPAKTUNA® PRO and 4 parts of water. This prolongs the processing time, improves the water resistance, and the mortar is easier to handle.

TECHNICAL CHARACTERISTICS	P.T.B.-BETOFINISH® Measurements	P.T.B.-BETOFINISH® mixed with COMPAKTUNA® PRO
Compressive strength after 7 days	ca. 8 N/mm ²	ca. 9 N/mm ²
after 28 days	ca. 18 N/mm ²	ca. 21 N/mm ²
Flexural strength after 7 days	ca. 2,8 N/mm ²	ca. 3,1 N/mm ²
after 28 days	ca. 5 N/mm ²	ca. 6,5 N/mm ²
Adhesion to concrete after 28 days	ca. 1,7 N/mm ²	ca. 2,8 N/mm ²

Mixing ratio	Consumption	Packaging
6.4 l of water per bag of 20 kg (± 32% water)	± 1.5 kg / mm / m ² in powder	20 kg
Colour	Processing time	Application temperature
Grey	± 45 min.	+ 5°C. to + 30°C.

Directions for use

1. Substrate

The application shall be carried out on a rough, 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. Suitable surfaces are masonry work, quick-setting bricks, cast concrete, concrete surfaces, foamed concrete ...

Do not apply onto gypseous surfaces.

It is necessary to clean steel reinforcements with a steel wire brush to remove completely rust and corrosion and the steel has to be treated with an anti-corrosive product.

2. Processing

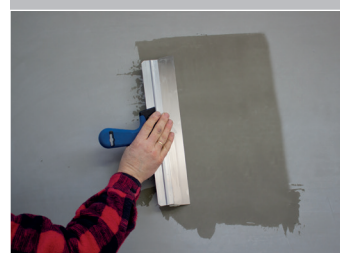
P.T.B.-BETOFINISH® is mixed with $\pm 32\%$ water that is ± 6.4 l water per bag of 20 kg depending on the desired consistency. Don't mix more product than one can apply within the processing time.

Pour the necessary amount of water in a mortar bowl and add the dry powder slowly and in uniform quantities. With a slowly rotating mixer, blend the mixture vigorously for ± 2 minutes until a homogeneous mass of smooth and even consistency without clods results.

Let the mortar settle for 2 minutes and then stir again vigorously. The mortar is now ready for use.

Finally, apply the mortar manually with a mason's float onto the surface.

With a trowel, putty knife or a mason's float, first apply a thin layer and make certain this layer is firmly fixed to the surface. Then apply a second layer.



Remarks

- The maximum total thickness of the P.T.B.-BETOFINISH® layer is 5 mm.
- P.T.B.-BETOFINISH® is applied in 1 or 2 layers, depending on the desired thickness for the layer. In the case of 2 layers, the first layer is lightly dampened prior with a COMPAKTUNA® (PRO)/water solution (1/4) or with P.T.B.-PRIMER.
- The application temperature is $+ 5^{\circ}\text{C}$. to $+ 30^{\circ}\text{C}$. (applicable for both the substrate and the environment).
- It is necessary to protect drying cement work against frost, rain, strong winds, and exposure to direct sunlight. During the hardening time, protect P.T.B.-BETOFINISH® against its drying out by covering it with a plastic sheet or foil or by keeping it moist by means of a fine spray mist.
- P.T.B.-BETOFINISH® is an ideal surface for tiles, gypsum, decorative plastering work, paints, and the like.
- P.T.B.-BETOFINISH® can be used as a final layer.
- The processing time of P.T.B.-BETOFINISH® is 45 minutes.
- For layers from 5 to 10 mm add 1/5 volume of sand, that is 20 % washed sand (grain size 0 - 2 mm) to 1 volume of P.T.B.-BETOFINISH®
- See our products PUTZUNA® BA-W and PUTZUNA® HY.

Packaging

P.T.B.-BETOFINISH® is available in bags of 20 kg. Sustainability is 12 months in original, sealed packaging and dry preserved.