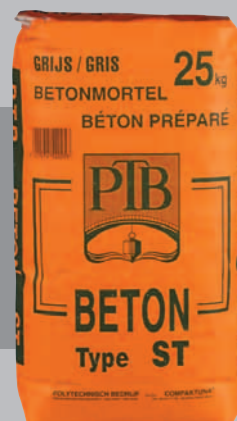




P.T.B.- BETON Type ST

Concrete mortar



Characteristics

P.T.B.-BETON Type ST is a dry, ready-to-use concrete mortar suitable for indoor as well as outdoor applications.

P.T.B.-BETON Type ST is made up of cement, choice quartz-sands, gravel, and high-quality additive substances. By the simple addition of water, one obtains a concrete of high final resistance, very good workability and exceptional flow.

P.T.B.-BETON Type ST is used for pouring reinforced and non-reinforced concrete constructions, floors, foundation slabs, lintels, spuds, tiles, decorative elements, and for the repair work on flooring.



Mixing ratio	Consumption	Packaging
± 2,5 l water per bag of 25 kg (± 10 to 11 % water)	1 bag gives ± 10 l concrete mortar	25 kg
Colours	Processing time	Compressive strength
grey	± 2 hours (depending on the temperature)	after 28 days: ± 25 N/mm ²

Directions for use

1. Substrate

The application shall be carried out on a 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. When pouring floors, foundations, spuds, ...P.T.B.-BETON Type ST should be deposited on a plastic sheeting.

2. Processing

1. Adhesion layer

When pouring P.T.B.-BETON Type ST on an already existing concrete base or for the repair of floors, we recommend the advanced laying of an adhesive layer. This layer should be made up of 1 part COMPAKTUNA® (PRO) and 2 parts water. This COMPAKTUNA® (PRO)/water solution is added to a dry mix of half cement and half riversand until a malleable paste is obtained. The P.T.B.-BETON Type ST is poured onto the wet adhesive layer.

2. Concrete

P.T.B.-BETON Type ST is made up with ± 10 to 11% water, that is $\pm 2,5$ l of water per bag of 25 kg, depending on the desired consistency. Per bag of 25 kg, pour the required volume of water in a mortar tub or a concrete mixer and slowly and evenly add the dry concrete mortar. Then mix the whole vigorously during 5 minutes until a lump-free, homogeneous mass is obtained. Let the concrete mortar settle for 2 minutes and then once again stir vigorously. During or immediately after pouring, stiffen the P.T.B.-BETON Type ST by vibrating it, using a vibrator or a solid stick. Level off the concrete layer with a smoothing board until the desired thickness is obtained. When the concrete has set, the surface can be levelled off with a plastic float using a circular motion. If desired, the final surface can be smoothed out with a mason's float.

Remarks

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)
It is necessary to protect drying concrete against frost, rain, high winds and exposure to direct sunlight. During the curing time, protect P.T.B.-BETON Type ST against drying out by covering the surface with a plastic sheet, a curing compound, or dampen it regularly with water. The processing time for P.T.B.-BETON Type ST: 2 hours following preparation. In order to achieve the desired result for certain types of jobs, it is necessary to provide for a casing and reinforcement during the preparation phase. Expansion joints in the base surface area need to be duplicated in the concrete coating.

In keeping with NBN B 15-001, P.T.B.-BETON Type ST meets strength requirement C20/25 and exposure requirement 1 and 2.

Packaging

P.T.B.-BETON Type ST is available in bags of 25 kg. Each bag contains a polyethylene inner bag that is a guarantee for long-term keeping.

Refer to clause p. 2.

