

Betonfix PRONTO

ST6-0221

Shrinkage-compensating hydraulic mortar for fast drying screeds.



DESCRIPTION

Betonfix PRONTO is a hydraulic, ready-to-use mortar. It is used for fast drying (12h) screeds, shrinkage-compensating, with excellent mechanical strength.

Betonfix PRONTO allows a significant reduction in downtime activities in all structures with continuous operation (industry, public spaces, offices, hotels, etc.). CE marked product as self-levelling screed CT-C30-F5-FL in compliance with the EN 13813.

ADVANTAGES

- Versatile: suitable for heating panels;
- Rapid laying and activation of screed;

USES

Betonfix PRONTO interior and/or exterior screeds suitable for ceramic tiles (12 hours later), natural stone (3 days later); parquet, resilient flooring (waiting time varies depending on the thickness of the screed and environmental condition), or localized to the complete revision of industrial floors with synthetic resin finish; screeds on domestic heating systems with radiant floor.

APPLICATION

	Manual application		Walkability: 12 h
			Mixing water: 1,75 lt/ 25Kg
	Min. thickness of screed: 4 cm Min. thickness of floating screed: 3 cm		

It is a ready-to-use product, just needed to be mixed with potable water respecting quantities mentioned in the above-shown table.

The amount of water is crucial for the rapid drying of the screed: an excessive addition of water results in significant delays.

Betonfix PRONTO has the workability of a traditional concrete.

Do not add water to mortar that has begun to set trying to reuse the dough: it will lose all its properties.

Mixing should be done with normal construction equipment (mixer, planetary mixer or screw), delivered with pressure pump, and trowel applied.

The surface of the substrate can be level with **Betonfix RA** after 24 hours of posing.

In all applications, with the exception of screeds on radiant panels, the surface area should be clean and covered with a waterproof sheet (PVC, bituminous) against a possible rising damp on the substrate.

Along the perimeter of the premises or at the internal elements such as pillars, must be placed a soft separation element (cardboard, polyethylene, polystyrene, etc..) with a thickness of 1 cm.

The minimum thickness of the slab should be 4 cm: localized reductions in the thickness should be reinforced with wire mesh. Joint among different castings must be made by leaving a vertical cut and a steel mesh of union between the two castings.

For floating screeds the thickness can be reduced up to 3

cm, suitably reinforcing the screed with a metal mesh. Possible joints for processing interruptions must be made leaving a vertical net cut and an electro-welded metal reinforcement joining the two castings, so as to have no height differences. Provide expansion joints in the case of screeds that exceed the 40 square meters of surface or 8 meters in length.

In making screeds on radiant panel systems, the start of the thermal cycle begins after curing, at a supply temperature between 20 ° C and 25 ° C, which must be maintained for at least 3 days. Subsequently, the maximum design temperature must be set, which must be maintained for at least another 4 days, in accordance with the indications provided by EN 1264-4.

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CONSUMPTION

18,5 Kg/m²/cm

PACKAGING

25 kg multilayer polythene bag

STORAGE

The product fears humidity: store in a sheltered and dry. Under these conditions and in intact containers, its stability is 12 months.

Characteristics	Value
Appearance	Powder
Colour	grey
Mixing water	1,75 lt
Fire reaction class	Inflammable
pH in water dispersion	12
Application temperature	5 - 35 °C
Weight Bearing	12 h
Toxicity	No
Mixing time	5 mins
Fire reaction class	A1

Properties of cured mortar (mixing water 7%)	Limits EN 13813	Value
Compression strength at 28 days EN 13892-2	Declared value	In a day > 8 Mpa At 3 dd > 14 Mpa At 7 dd > 21 Mpa At 28 dd > 30 MPa
Flexural strength at 28 days EN 13892-2	Declared value	In a day > 3 Mpa At 3 dd > 3,5 Mpa At 7 dd > 5 Mpa At 28 dd > 6 MPa

Properties of cured mortar (mixing water 7%)	Limits EN 13813	Value
Residual moisture	Declared value	At 3 dd > 3,5 % At 7 dd > 2 % At 28 dd > 1,6 %
Class EN 13813	Declared value	CT (based on cementitious binders)

WARNING

Product intended for professional use.

Given the possibility that different supplies of the same raw materials have slightly discordant colors, including a lot of production and the other may be minor color variation that do not affect in any way the technical performance of the products supplied.

Do not mix with other binders (cement, gypsum, lime) or other inert. Do not use **Betonfix PRONTO** screed in contact with moist media. Too much water and a temperature below 20 ° C retard the drying time: before installing the floor, always check the moisture content using appropriate instrumentation.

Verify the integrity of the package before use and do not use the product in caso of lumps.

Do not run castings with temperatures below 2 ° C or take precautions.

It is possible to run castings with temperatures above 35 ° C (not above 40 ° C) provided that mixes with cold water are made, products and machinery are not exposed to the sun.

Screeds not inferior to 3 cm thickness, in this case consult our Technical Department.

For further information and advice on safe handling, storage and disposal of chemical products, the user must refer to the most recent Safety Data Sheet, containing physical, ecological, toxicological and other data related to safety.

All technical data shown in this Technical Data Sheet are based on laboratory tests. Actual measurement data may vary due to circumstances beyond our control.

The information and requirements indicated in this Technical Data Sheet are based on our current knowledge and experience and are to be considered, in any case, purely indicative. They cannot guarantee the final result of the applied product and they have to be confirmed by exhaustive practical applications; therefore the user must test the suitability of the product for the intended application and its purpose. Users must always refer to the latest version of the local technical data sheet related to the product.