Betonfix RA

ST9-0221

Cement mortar for self-levelling skim coating of internal screeds ranging from 1 to 10 mm. Fast drying.

EN 13813 CE

DESCRIPTION

Betonfix RA is a self-levelling skim coating mortar that bond firmly to the substrate. It consists of special hydraulic binders that ensure its fast drying.
Betonfix RA is very fluid, making it easy to use and once set, it is perfectly smooth and it has high resistance to compression or abrasion.
The product is CE marked as cementious screed, class CT-C35-F7 in compliance with the EN 13813.

ADVANTAGES

- Fast drying: you can lay vinyl or textile floorings after 24 hours.
- Versatile: can be loaded to create 10-20 mm thicknesses
- Can be used on ceramic or natural stone tiles without the removal of the existing floor.

Betonfix RA is used to smooth concrete screeds before laying parquet, vinyl or textile flooring. **Betonfix RA** is a fast-drying product, therefore flooring is possible 24 hours after application. **Betonfix RA** must be used for horizontal skim coating with a thickness from 1 to 10 mm.
For thicker layers (not more than 2 cm) add to the mortar approximately 30% of washed sand with granulometric curve from 1 to 3 mm. It cannot be applied on metal surfaces or waterproofing, bituminous membranes.

APPLICATION

	Pourable		Rapid setting time: 15 ± 5 mins
	Mixing water: 5,7-6,3 lt/ 25Kg Variable according to the desired workability		
	Max thickness per coat: 1-10 mm for horizontal application; with aggregates, up to 20 mm for horizontal application.		

The substrate must be compact, free from detached parts, dust, grease, wax, old varnishes or any other substance which could affect the quality of the bond.
Anhydrite substrates and superficially brittle supports can be treated with one or more coats of **Kimicover FIX** using a brush or a roller; in this case Betonfix RA must be applied on the still wet **Kimicover FIX** (wait 1-2 hours before laying). In case of cement-based substrate before applying **Betonfix RA** the supportis must have been cured for at least 28 days. Dust must be carefully removed with a vacuum hoover.
The product is ready-to-use on the addition of potable water according to the quantity shown in the above table.
Betonfix RA must be mixed using a low speed stirrer or a cement mixer, making sure not to let air in while mixing.
Too much water will cause the components to separate and lose their mechanical resistance and abrasion.
Mix the quantity needed to apply within 30 minutes at +20 °C, it is important not to remix the product when it has already started to set, it will lose all its chemical-physical properties.
Dampen the cement-based substrates until SSD conditions (eliminating any exceeding water stagnation), pour the product on the floor and spread it with a smooth spreader or a doctor blade.
Do not use **Betonfix RA** for external finishing coats or in contact with permanently damp screeds.

To level ceramic tile or natural stone floors, mix **Betonfix RA** with **Kimitech ELASTOFIX** instead of water, finish and fix to the substrate with an average thickness of approximately 1.5 mm; wait for initial setting to take place (2-4 hours) and complete levelling with **Betonfix RA** mixed with water as normal.

CONSUMPTION
1,7 Kg/m²/mm.

PACKAGING
25 kg multilayer paper bag

STORAGE
Protect from humidity. Store in a dry, sheltered place. Stored in these conditions and in unopened containers, the product remains stable for 12 months.

Characteristics	Value
Appereance	Powder
Colour	grey
Hazard classification 1999/45/CE e 67/548/CEE	Irritant
Maximum inert material size EN 1015-1	0,5 mm
Apparent volumetric mass of wet mortar UNI 7044/72	2060 ± 50 Kg/m³
Consistency EN 1015-3	> 200 %
Minimum application temperature	+5 °C
pH of mixture	12 ± 0,5
Setting time (strat) EN 196-3	15 ± 5 mins
Setting time (end) EN 196-3	30 ± 5 mins

Characteristics of the cured product (mixing water 22%)	Value
Compression strength 1 day EN 12190	> 20 MPa
Compression strength 7 days EN 12190	> 30 MPa
Compression strength 28 days EN 12190	> 35 MPa
Flexural strength 1 day EN 12190	> 4 MPa
Flexural strength 7 days EN 12190	> 6 MPa
Flexural strength 28 days EN 12190	> 9 MPa

Properties of the cured mortar (mixing water 22%)	Limits EN 13813	Value
Compression strength 28 days EN 13892-2	Declared value	> 35 MPa
Flexural strength 28 days EN 13892-2	Declared value	> 7 MPa
Class EN 13813	Declared value	CT (made of cement 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 variations that do not affect in any way the technical performance of the products supplied.
Do not mix with other binders (concrete, lime, gypsum). High temperatures (above +20 °C) reduce the workability time. At high temperatures (above +35 °C) the following precautions are recommended:
keep the bags in the shade and mix with cold water;
stop working during the warmest hours;
protect the working area from dry winds.
Low ambient temperatures will reduce the drying time; always check the percentage of dampness before starting to lay the floor. Before using, check bags have not been damaged, and do not use the product if there are any lumps. Always mix the product with drinking water. Do not cast when temperatures are below +5 °C, or take the necessary precautions. Wait for the previous coat of **Betonfix RA** to dry before applying any further one (24 hours). To finish surfaces other than those described in this data sheet, contact our Technical Dpt for assistance.
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.