

Description

Betonfix R30 is a finishing mortar containing hydraulic binders, selected inert materials and chemical additives, making it highly waterproof and adhesive to the substrate. Maximum total thickness to be applied is 5 mm. Betonfix R30 contains inert materials with maximum 0.5 mm granulometry; therefore it is easy to apply and smooth even on very thin layers. Betonfix R30 is easy to apply because it is ready-to-use on the addition of water. Betonfix R30 is highly waterproof and has excellent frost-thaw resistance.

**Uses**

- Levelling of gravel clumps and porosity of new and old concrete structures;
- Levelling of sound-absorbent screeds with Tectoria TH1;
- Finishing coat for unpainted plasters or renders;
- Finishing coat for insulating panels.

Application

Betonfix R30 must be applied on clean, solid surfaces, free of paint or any other substance which might affect adhesion to the substrate. Ensure that all parting compound residues have been completely removed before applying Betonfix R30 (hydrosanding is recommended). Betonfix R30 is ready-to-use on the addition of 5-6 litres of drinking water per 25 kg pack, according to the consistency required. Mix carefully with a low-rev mechanical stirring device (200-300 rev/min) until a smooth mixture forms. The substrate must be dampened, and when laying there should be no excess water. Betonfix R30 must be applied with a spreader for a maximum thickness of 2 mm for each coating. The final coat may be smoothed with a sponge float or a metal spreader for a very smooth finish. Do not apply when it is about to rain, in direct sunlight or in strong winds. For levelling of damaged facades, contact our Technical Support Service for assistance. When smoothing thermal insulation panels, Betonfix R30 must be reinforced with a suitable glass fibre mesh of minimum basic weight from 160 g/m² with anti-alkaline product.

Coverage

1.4 kg/m² for each millimetre of thickness.

Packaging

25 kg multilayer polythene bag.
1,500 kg pallets.

Storage

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

Characteristics	Value
Appearance	Powder
Colour	grey e white
Apparent specific weight UNI 9446	1,17 ± 0,1 g/cm ³
Hazard classification 1999/45/CE e 67/548/CEE	Irritant
Maximum inert material size UNI EN 1015-1	0,5 mm
Apparent volumetric mass of wet mortar UNI EN 1015-6	1700 ± 50 Kg/m ³
Consistency UNI 7044/72	55-65 %
Pot life UNI EN 1015-9	120 ± 30 mins
Minimum application temperature	+5 °C
pH of mixture	12 ± 0,5

Characteristics of the hardened product	Value
Compression strength 1 day UNI EN 12190	> 5,1 MPa
Compression strength 7 days UNI EN 12190	> 12,3 MPa
Compression strength 28 days UNI EN 12190	> 22 MPa
Flexural strength 1 day UNI EN 12190	> 1,3 MPa
Flexural strength 7 days UNI EN 12190	> 2,9 MPa
Flexural strength 28 days UNI EN 12190	> 6,4 MPa
Adherence to substrate UNI EN 12190	1,06 N/mm ²

Warning

Product intended for professional use. Before using, check the product has not been damaged, and do not use it if there are any lumps. Do not remix by adding water to the product when it has already started to set. Betonfix R30 is a cement-based product and so all precautions should be observed to ensure correct curing. The product should not be applied at temperatures below +5 °C. For external isolation systems, use the KIBITHERM system in compliance with EC certification according to ETA004. Wash equipment with water before the product sets. Wait at least 3 weeks before applying Betonfix R30 to new plasterwork. The technical specifications and application methods recommended herein are based on our current knowledge and experience and do not represent any form of guarantee of the final results obtainable with the product. It is the customer's responsibility to check that this data sheet is still effective and has not been replaced with a more recent version, and that the product is suitable for the intended use.