

Kimitech EP-RG

Synthetic resin to be used pure or added to cement or lime mortars to increase impermeability and adhesion to the substrate



Scheda Tecnica rev.01_05/2025

DESCRIPTION

Kimitech EP-RG is a dense single-component resin with high adhesive power for cement and lime; the use of the product gives considerable adhesion, impermeability and elasticity to the mortar, guaranteeing adhesion even to lower thickness coatings (10-15 mm). Once hardened, it cannot be re-emulsified in water. Perfectly resistant to water and alkalis; it slows down and improve curing.

USES

Kimitech EP-RG is used to increase the adhesive power to mortars made of cement, lime or gypsum-based binders; it is suitable for construction joints, for plaster adhesion to reinforced concrete structures, for smoothing bituminous floors and for leveling foundations before laying vinyl floors, carpets.

APPLICATION

	Brush or floor polisher application		Mechanical device application
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The surfaces to be treated must be clean, degreased, free of inconsistent parts and wet, avoiding water stagnation. For the preparation of the anchoring mortar add cement (and any sand in the case of plastering) Kimitech EP-RG resin already mixed with water, respecting the following recommended ratios:

- Anchoring mortar: Kimitech EP-RG 1 liter (1 Kg), Water 1 liter (1Kg), Cement 2.5 liters (4Kg).

- Leveling mortar: 10% of the weight of the binder composing the mortar.

In this way you will get a dense slurry which will be applied with a flat brush, scrub brush or spray, taking care to distribute it abundantly over the entire affected area.

The leveling mortar must be applied when the product is in the plastic state, practically when the grout tends to become opaque due to the evaporation of the water.

The mortar should never be applied when the grout has

already hardened.

On restoration works with a thickness lower than 15 mm, in addition to the bonding grout, add Kimitech EP-RG in the leveling mortar in a quantity of 10% on the weight of the binder (cement, lime or plaster).

Kimitech EP-RG can be applied pure with a roller or a brush to pre-treat concrete surfaces for contact between old and new castings. The application must be carried out on dry and dust-free surfaces. Run the new casting in fresh or between 12-24 hours after the application of Kimitech EP-RG.

If the new casting will be performed after 24 h, sprinkle some fresh quartz on the resin.

CONSUMPTION

Anchoring grout: 250 grams/sqm to be mixed with powder
Adhesion bridge: 200-400 gr/sqm of pure product, depending on the degree of absorption of the substrate

PACKAGING

Tan 1 KG – box 20 pcs

Tan 5 KG – box 4 pcs

Tap 25 Kg

STORAGE

The product fears frost, store at a temperature higher than + 5 ° C. In these conditions and in tightly closed containers, it maintains its stability for 24 months.

CHARACTERISTICS	VALUE
Consistency	Liquid
Color	White
Density en iso 2811 - 1	1,1 g/cm ³
Ph uni 8311	10 - 11
Solid content uni 8309	45 %
Min filming temperature	0 ° c

FINAL PERFORMANCE	VALUE
Adhesion to concrete substrate at 7 days UNI EN 1542 [MPa]	> 2 Mpa
Adhesion to concrete substrate at 28 days UNI EN 1542 [MPa]	> 2,5 Mpa
Mortar composition: Cement 32,5 Normalized sand Kimitech EP-RG Water	900 g 2700 g 112,5 g 292,5 g
Compressive strength at 28 days EN 12190 [MPa]	> 30 Mpa

WARNING

Product intended for professional use.

On very hot days it is preferable to apply the product in the evening and soak for the first days.

On the contrary, with low temperatures, it is advisable to apply the product in the morning and wet the next morning. The equipment used for the preparation and application of the product must be cleaned with water before hardening. 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.

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.