

Description

KIMICOVER GUAINA is a super-elastic two-component cementitious waterproofing system, with excellent resistance to chemical attacks by sulfates, deicing salts, acid rain, chlorides and it is waterproofing. It can also be applied at low temperatures with wet conditions. Easy to prepare and to apply, it produces a compact film with excellent adhesion to the substrate.

Uses**Predisposizione dei supporti**

Prima dell'applicazione del rivestimento continuo, curarsi di aver effettuato tutte le operazioni preliminari propedeutiche ad una corretta applicazione del prodotto. In particolare:

- Verify the accuracy of the slopes (if appropriate, perform interventions aimed towards the correction of the same)
- Verify the presence and adequacy of the floor water collecting and the suitability of the basis to ensure the disposal of water (in case that the balcony or the terrace is delimited by walls, realize the through holes and place appropriate profiles drip)
- Remove items that could hinder the continuity of the subsequent waterproofing (which must be properly folded on the walls and / or perimeter walls), proceeding with the elimination and / or jacking up of all equipment (splitters and other plant items) and non-structural elements (any metal flashing, skirting etc etc)

In the case of waterproofing of already tiled surfaces:

- Remove the first row of tiles of the wall for a height of about 20 cm
- Verify the adherence to the bottom of the tiles
- Repair any hole or any irregularity of the substrate with the suitable Kimia products.
- Execute the acid wash the surface with a solution P with proper technique manual or mechanized (acting mechanically with single brush equipped with a fiber brush, vacuum the resulting liquid and rinse thoroughly).

In the case of concrete supports:

- Clean carefully the surface with the most appropriate technique (sandblasting, high-pressure water cleaning, brushing, grinding with diamond wheel type BOSCH GBR 14 CA) to remove dust, existing coatings, grease, rust, release agents, paints and varnishes, any cement slurry and any other substance or material which may affect the adhesion of subsequent coatings
- Check presence and depth of any degradation cortical and proceed to an adequate recovery cycle.
- Eventual deep and extensive irregularities (gravel nests, overflows between jets, excessive roughness of funds leveled not properly etc) must be leveled first, preventively, after priming.

Natural or artificial joints will be prepared and waterproofed (with Betonfix GUAINA applied with a brush or roller on net Kimitech 120) according to the specifications of reference.

Mixture preparation

- Homogenize the A component through mix with a

professional mixer equipped with helicoidal impeller;

- Pour half of the liquid in a suitable clean container;
- Slowly add all the powder (component B), making sure to mix it slowly and carefully with a mechanical mixer for few minutes until obtaining anhomogeneous mixture and absolutely free of lumps;
- Add the other half of the liquid and mix until homogenize the product.

Applications

- Reinforced concrete supports of new construction and existing screeds made above membranes and tiled floors should be treated with a coat of Kimicover FIX MV;
- Pour Betonfix GUAINA onto the laying surface and distribute, with a steel trowel or plaster;
- Place immediately Kimitech network TNT, making sure it adheres to the guaine always using the trowel or plaster;
- Pour additional Betonfix GUAINA over the armor to finish the waterproofing;
- Between following 24 and 48 hours, apply by roller an additional coat of Betonfix GUAINA finishing.

Finishing

- Monochromatic occasionally walkable varnishing → Completed the curing of the last coat of Betonfix GUAINA, proceed with the monochromatic elastic covering realized with Kimicover BLINDO.
- Decorative walkable varnishing → Completed the curing of the last coat of Betonfix GUAINA, proceed with the decorative coating (consult our area responsible Technical-commercial for further information).
- Bonding of the tiles → Completed the curing the last coat of Betonfix GUAINA, proceed with the bonding of the ceramic coating with glue of the line Aderflex. The tiles must be performed with wide joints. Any baseboard must be spaced from the underlying tile by a gap not less than 5 mm. In the coating will be respected any expansion joints in the substrate, which will be subsequently grouted with a suitable sealant Tecnoseal (to be used for the sealing of the gap between baseboards and tiles).

Conditions of the support and environment for laying and curing

Avoid applying the product at temperatures below + 0 ° C. The humidity of the support must be max 4% and there should not be presence of capillary rising of moisture in accordance with ASTM (test of polyethylene sheet).

Take all necessary precautions to ensure correct curing of the product.

In the case in which the application is performed under conditions of low relative humidity, wind and sun is recommended to protect the treated surfaces with protective fabrics.

Treated surfaces must be protected from rain, fog or from contact with water for at least the first 24 hours after application.

Notes on use technique and maintenance of surfaces treated with decorative elastic covering.

Although the final effect of sealing is analogous to those of conventional resin floors, it is given the necessity of ensure:

- adequate elasticity and flexibility → monolithic decorative waterproofing are characterized by a lower resistance to

impact and scratching (avoid crawling heavy objects, tables, planters.

If it is necessary to move them, especially during the summer when the system may be subject to slight softening phenomena, lifting it from the ground).

- adequate safety against sliding → waterproofing must have a non-slip surface texture.

This implies that the coating tends to retain more dirt.

Any aesthetic defect (in case that final decorative effect doesn't fully correspond to the expectations of the customer, minor injuries in the joints, scratches or marks caused by point loading) in principle doesn't affect the technical functionality of the intervention (its waterproofing action will be unaffected) if it has been performed in a workmanlike manner.

However, it is possible to intervene at any time to "refresh" the surface, after sanding and new application of colored and / or transparent finishing.

It will be possible anyway, at every moment, to intervene to refresh the surfaces upon sending and new use of the coloured and/or transparent finishing.

Packaging

- Component A (liquid): plastic cans of 12 Kg
- Component B (powder): multiply paper bags of 12 kg

Consumption

2.5 -3,5 kg / m² for a cycle of double-layer waterproofing.

Features	Component A (medium value)	Component B (medium value)
Aspect	Liquid	Powder
Color	White	White
Apparent Specific weight UNI 9446	1,05 ± 0,2 g/cm ³	0,95 ± 0,1 g/cm ³
Danger Classificatio 1999/45/CE e 67/548/CEE	Irritating	Irritating
pH	7	11,5 ± 0,5 (in water solution)
Dimensione massima dell'inerte UNI EN 1015-1		0,1 mm
Viscosity type Brookfield (300 r.p.m. e 25°C) UNI 8490-3	40-80 mPa·s	

Features	Typicall Value(A+B)
Rapporto	A:B= 1:1
Massa volumica UNI 8310	1,4 ± 0,1 g/cm ³
Temperatura minima applicazione	+2°C ~ +30 °C
Temperatura minima filmazione	+0,5°C
Tempo aperto	8 ± 2 minuti
Tempo di essiccazione superficiale UNI 8904	6 ± 1 ore
Tempo di stagionatura	1-2 gg a 20°C 10-15 gg a 5°C
Impermeabilità all'acqua UNI 8282-21	> 400 KPa
Permeabilità al vapore acqueo DIN 52615	~ 1500
Carico massimo a trazione armato ISO 527	> 4 N/mm
Allungamento a trazione ISO 527	> 50%

Features	Typicall Value(A+B)
Flessibilità a freddo UNI 8202-15	-10 °C
Distacco a 180° UNI EN 28510	Su CLS > 40 N Su ceramica > 95 N
Resistenza cicli gelo-disgelo	> 100

Storage

Kimicover SHEATH affected by humidity and heat : Store in a sheltered , shady and dry place .

Under these conditions and in unopened containers the product is stable for 12 months.

warnings

Product intended for professional use. Always check the integrity of the packaging before use and do not use the product if the component B presented lumps. Do not mix the product with water. Do not add cement , additives or other Betonfix mortars . In the case of partial mixing respect the proportions by weight (not volume) indicated in this sheet and in the packaging . Once the mixture (component A + component B) not to make further additions.

Use the entire contents when opened packaging. The equipment used for the installation of the product can be cleaned with water before and once hardened Kimicover SHEATH can only be removed mechanically . Provide the chimneys venting of water vapor appropriately positioned according to the moisture present in the substrate . After evaluating the hygrothermal conditions of the environment below the cover, apply a ventilator every 40 m2 for environments characterized by low humidity and the presence of specific layers of vapor diffusion; every 20 -25 m2 for areas with average humidity ; every 15 m2 for environments with high humidity (swimming pools, rooms with special processes , etc. .) .

The technical specifications and application methods recommended herein are based on our current knowledge and experience , but do not represent any guarantee of the final result of the applied product . The customer is obliged to check that the product is suitable for the intended use and to make sure that this data sheet is valid and not superseded by subsequent updates (the latest version of this datasheet can be downloaded via the QR-Code set forth in this document).

