



Description

Betonfix GS UNO is a single component mortar, elastic and flexible, cement based polymer modified with special alkali-resistant aggregates containing selected fine particle size and suitable additives, used for waterproofing concrete substrates subject to deformation.

Easily applicable to both horizontal and vertical surfaces, it is characterized by excellent resistance to chemical attack

caused by sulfates, deicing salts, acid rain, chlorides. Betonfix GS UNO meets the requirements specified in EN 1504/2 ("protection systems for concrete surface") and EN 14891 (liquid applied waterproofing products for use beneath ceramic tiling bonded with adhesives - Requirements, test methods, assessment compliance, classification and description").



Uses

- Bathrooms, showers, small planters;
- Small balconies and terraces with splitting/expansion joint;
- Elastic-protective smoothing for plasters and concrete structures with presence of micro-cracks caused by shrinkage or that may undergo small deformation under load.

Advantages

- Decreased burden of disposing of packaging compared to similar two-component solutions;
- Capacity up to 20% higher than traditional two-pack products;
- Easy preparation: ready for use with the addition of water;
- Rheology variable for ease of Application in dependence on the type of Application;
- Good ability to bridge the gaps;
- Excellent adhesion on almost any type of substrate, such as concrete, cement mortar, stone, ceramic, brick.

Application

Do all the preliminary preparatory works for a correct application of the product. In particular, for waterproofing of balconies and terraces, check the slopes and, where appropriate, make corrections interventions aimed at them. Particular attention should be paid to the preparation of media:

- The existing coatings must be controlled, mechanically cleaned and prepared to reach a background sound and adherent. In case of poor adhesion to the substrate, remove them. Any holes or irregularities of the substrate must first be repaired with products Kimia. In the case of surfaces already tiled, removed the first row of wall tiles to a height of 20 cm, run the washing of the surface with acid solution P.
- In the case of degraded-concrete substrates, check the depth of degradation and maintain an appropriate course of cortical recovery. Concrete castings, properly completed, must be structurally sound (the tensile pull off the concrete must be > 1.5 Mpa).

- Each party posting and not equipped with sufficient mechanical properties will be removed. To remove dust, existing coatings, grease, rust, release agents, paint, cement laitance and any other substance or material which may affect the adhesion of subsequent coatings, clean the substrate thoroughly by sandblasting, jetting to high pressure, brushing. Deep and extensive irregularities (gravel nests etc.) must first be remedied with Kimia mortars.
- The points of contact between substrate and catch basins, tiles removed, cleaned and reassembled the outer edges of the couplings, will be waterproofed using Kimicover JOINT/P, Betonfix GS UNO armed with Kimitech 120.
- The connections between walls and floors will be waterproofed using Kimicover JOINT, Betonfix GS UNO armed with Kimitech 120.

To prepare Betonfix GS UNO add between 20 and 27% of drinking water (depending on the desired rheology) in each pack of 20 Kg. Apply a layer of Betonfix GS UNO armed with Kimitech 350. After hardening, not before 24 hours, apply another layer of Betonfix GS UNO finishing.

Do not exceed 2 mm for hand and do not make a total thickness exceeding 4 mm.

After 7 days glue ceramic tile with Aderflex KR. Respected existing expansion joints in the background, sealing them with Tecnoseal products.

Packaging

20 kg multilayer polythene bag. 1,200 kg pallets.

Coverage

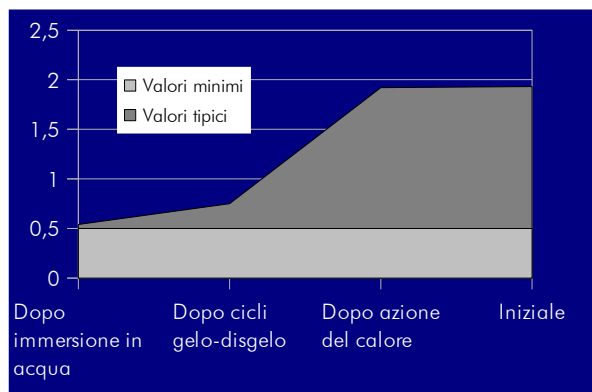
1.2 to 1.4 kg / m² per mm thickness depending on the chosen mixing ratio.

Storage

Betonfix GS UNO fears humidity and heat: store in a sheltered, shady and in a dry place. Under these conditions and in not damaged containers the product is stable for 12 months.

Characteristics	Requirements EN 14891	Value
Waterproofing EN 14891-A7 (1.5 bar for 7 days of positive pressure)	Nessuna penetrazione	Nessuna penetrazione
Crack-bridging ability to +20 ° C EN 14891-A8.2 (mm)	> 0,75	0,8
Initial adhesion-EN 14891 A.6.2 [MPa]	> 0,5	1,93
Adhesion after water immersion-EN 14891 A.6.3 [MPa]	> 0,5	0,55
Adhesion after heat-EN 14891 A.6.5 [MPa]	> 0,5	1,92
Adhesion after freeze-thaw cycles-A.6.6 EN 14891 [MPa]	> 0,5	0,75
Fire reaction class	Stated by producer	E

Comparison between the demands of EN 14891 and the values recorded by Betonfix GS UNO



Warning

Product intended for professional use.

Always check the integrity of the packaging before use and do not use the product if lumps are present. Use all the material once opened packaging.

The equipment used for the installation of the product can be cleaned with water before hardening. Once hardened Betonfix GS UNO can only be removed mechanically.

Avoid application of the product at temperatures below + 2 ° C.

In case of existing large terraces with no or not sufficient expansion-joints use Kimicover line waterproofing systems.

The humidity of the substrate should be up to 4% and there should be no presence of capillary moisture in accordance with ASTM (testing of polyethylene sheet).

Take all necessary precautions for proper curing of the product.

Where the application is made under conditions of low relative humidity, wind and direct sun, it is advisable to protect the surfaces treated with protective sheeting.

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

The technical characteristics and methods of the Application by us in this bulletin are based on our current knowledge and experience, but may not provide any guarantee by us on the final result of the applied product.

The customer is required to ensure that the sheet is valid and not superseded by any update and verify that the product is fit for purpose.