

# Wallzero

Innovative mineral matrix composite, structural base layer for Cementoresina Wall and for the repair of irregular substrates.

Rapid-drying cement based finishing product with additives, with high adhesion and tenacity, and compensated shrinkage. Defines the tough, elastic “zero layer” coating the existing vertical surfaces anchoring to the substrate and eliminating defects. Creates the ideal structural support for Cementoresina Wall continuous coverings and a filling base for irregular substrates. For internal use, in domestic and commercial environments. For walls and vertical coverings.



## Rating 3

- × Regional Mineral ≥ 60%
- × Recycled Regional Mineral ≥ 30%
- ✓ CO<sub>2</sub> ≤ 250 g/kg
- ✓ VOC Very Low Emission
- ✓ Recyclable

Rating based on average colour formulations

1. Ideal in low thickness re-design
2. Rapid drying and overlaying
3. Strongly cover existing coverings in mosaic, ceramic, cement based plasters and plasterboard already primed
4. It can be applied directly on waterproofing carried out with Aquastop Nanoflex, Nanodefense Eco and Aquastop Extreme

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## Areas of application

→ Finishing product and continuous covering

→ Use

Suitable for:

- cement based plasters primed with Universal Wall Primer
- ceramic, glass mosaic, natural stone previous coatings, treated with Keragrip Eco Pulep
- substrates made with fibre-cement panels
- gypsum based plasters and substrates made with fibre-cement panels primed with Universal Wall Primer
- substrates made with plywood, MDF, and HDF panels primed with EP21
- waterproofing carried out with Aquastop Nanoflex, Nanodefense Eco and Aquastop Extreme.

→ Internal use in domestic, commercial and industrial environments.

Do not use on floors and external applications, on fresh or not appropriately cured substrates, on dirty, non cohesive substrates, on old paint layers or faded supports, inconsistent substrates, with a high level of flexibility and thermal expansion, on wet substrates, on substrates subject to rising damp or with a residual moisture value greater than 2% MC, on gypsum based plasters with a residual moisture  $\geq$  1%, on non-primed gypsum based coverings and substrates susceptible to damp.

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## Instructions for use

→ Preparation of substrates

Check that the substrates are stable and perfectly well anchored to the support before applying the Wallzero texturing agent.

Substrates must be perfectly dry. Any water or residual moisture rising can cause vapour pressure to accumulate, which may cause the covering to debond.

- Traditional cement based plasters. Old plasters must be dry, in good condition, compact and cleaned carefully to remove any remaining traces of previous processes (lime putty coverings, old finishing coats, etc.). Prime substrate with Universal Wall Primer. If the surface needs in-depth consolidation, apply a series of consecutive layers of Universal Wall Primer wet-on-wet. Wait at least 4 hours for the subsequent application of Wallzero.
- Previous ceramic coatings, glass mosaic, natural stone: smooth with a diamond disc in order to abrade the surface layer removing any contamination and giving a porous surface. Clean the surface carefully with a cloth soaked in Keragrip Eco Pulep adhesion promoter. Any dust and loose debris must be removed from joints by carefully cleaning them with vacuum cleaner. The surface of the coating material to be finished must be dry and free from dust or building dirt; any residual protective coatings must first be removed using specific products.
- Fibre-cement panels: carefully clean the substrate and check that the covering is stable, compact, free from dust, oil, and water-repellent treatments. Soak the substrate with water before applying with Wallzero.
- Gypsum based plasters and panels in plasterboard: gypsum based plasters must have a  $\approx$  1% residual moisture measured with a calcium carbide hygrometer. Follow the manufacturer's instructions. Check that the base coat has been applied in a single layer, without fine finishing coats, as these may be imperfectly anchored and therefore unsuitable for overlaying. Apply Universal Wall Primer wet-on-wet in two coats in alternate directions. In case of particularly smooth and compact substrates, dilute the product using water by a ratio of up to 1 : 1 to make penetration easier. Wait  $\approx$  4 hours for the subsequent application of Wallzero.
- Plywood, MDF, HDF panels: carefully clean the substrate and check that the covering is stable, compact, free from dust, oil, and water-repellent treatments. Apply EP21 primer on all the surfaces checking that even the back of the panel to be covered with Wallzero are primed, in order to avoid the absorption of moisture or subsequent infiltration of water. If a build-up of product should remain during application, dust with Quarzo 1.3, while still fresh. Wait until the primer has completely hardened (8 - 12 hours), if the surface is particularly glossy, sand with a rotating orbital sander with 80 grain sandpaper to roughen the surface.

## Instructions for use

### → Preparation

Wallzero is prepared by mixing Wallzero A with Wallzero B respecting the mixing ratio of Wallzero A : Wallzero B = 100 : 14 (preset weight ratio 25 kg Wallzero A with 3.5 kg Wallzero B). Add water to the mixture until reaching the required consistency: to obtain a thixotropic mixture add  $\approx 3 \text{ l} / 1 \text{ bag}$  (25 kg); to obtain a fluid mixture  $\approx 3.3 \text{ l} / 1 \text{ bag}$  (25 kg). Pour the correct quantity of Wallzero B into a clean container, adding a quantity of water equal to about  $\frac{3}{4}$  of what is required. Gradually add Wallzero A to the container, mixing the paste with a low-rev ( $\approx 400/\text{min.}$ ) metal agitator. Add water until a fluid, smooth, lump-free mixture is obtained. The mixture must be of smooth consistency and without any lumps. The amount of water indicated on the packaging is indicative. It is possible to obtain mixtures with consistency of variable thixotropy according to the application to be made. It is necessary to mix an amount of product that can be used within 30 minutes. Under no circumstances must more water be added to the mix during application.

### → Application

First prepare the layers of Net 90 glass-fibre reinforcing mesh, ensuring the ends are overlapped by at least 10 cm, then dampen the absorbent substrates before proceeding with the application.

Spread the product with a smooth or toothed spreader leaving some  $\approx 1 \text{ m}$  wide strips; lay the mesh on the product while it is still fresh and then smooth with a smooth spreader levelling to the cover of the Net 90 glass-fibre, reinforcing mesh and remove any excess. Make sure that the

mesh is well covered in the finishing coat, for smoothing the surface, wait until the product starts to set and go over the surface again pressing Wallzero with the blade of the spreader to level any ridges or defects. After at least 3 hours, dampen the first coat of Wallzero and then proceed with applying a second coat of Wallzero finishing the product with small spreads and level all of the surface. Wait until the Wallzero starts the setting phase then go over the surface again pressing Wallzero with the blade of the spreader for compacting the design of the spread and defining a flat and even surface. If the desired effect is not reached in the previous two coats or the Net 90 mesh is still visible, apply another coat (following the same instructions as the second coat). Respect the coverage of Wallzero  $\approx 3.42 \text{ kg}/\text{m}^2$  in the two coats. Waterproofing carried out with Aquastop Nanoflex, Nanodefense Eco and Aquastop Extreme: if crests are present, it is possible to lightly sand using grade 120 sandpaper. After sanding, perfectly vacuum the substrate and clean it from dust or sanding residues. Waterproofing carried out with Aquastop Extreme must be treated with Keragrip Eco Pulep adhesion promoter: dampen a cloth with Keragrip Eco Pulep and clean all the covering with it, letting the solvent evaporate. Wait 10 minutes before the subsequent application.

### → Cleaning

Residual traces of Wallzero can be removed from tools using water before the product hardens.

## Certificates and marks



## Special notes

- Showers/bathtubs: when applying in shower cabinets, bathtubs, Turkish baths or washbasin counters, it is recommended that Aquastop Flangia or Aquastop Plus Flangia 120x120 be inserted wherever the system is interrupted by drains, taps, etc. or that an Aquastop 120 or Aquastop Plus 120 strip be inserted in the horizontal/vertical corners within Wallzero finishing coat. If flanges or strips are already present within an underlying waterproofing, no additional strips and/or flanges are required within Wallzero.
- In showers, baths, Turkish baths, washbasin recesses and counters, when it is necessary to incorporate edge beams into the Wallzero, use straight, rigid PVC or aluminium corner pieces to reinforce the edges.
- Do not use galvanized edge beams: they might develop rust over time if the galvanisation is removed when sanding.
- For the filling of chases in the wall, it is possible to use an expanding polyurethane foam, after the complete expansion/hardening cut the surface with a blade or scrape it with a robot plaster plane until it is level with the rest of the surface, then proceed straightaway with the subsequent application of Wallzero.

### Technical Data compliant with Kerakoll Quality Standard

#### Appearance:

- Part A cement based ready mix product

- Part B milky whitish liquid

Pack part A 25 kg bag - part B 3.5 kg can

Shelf life  $\approx$  6 months from production in the original sealed packaging, protect from humidity

Mixing ratio in weight part A : part B = 100 : 14

#### Mixing water:

- thixotropic  $\approx$  3 l / 1 bag 25 kg

- fluid  $\approx$  3.3 l / 1 bag 25 kg

Pot life  $\approx$  30 min.

Relative environmental humidity  $\leq$  75%

Humidity of the substrate  $\leq$  2%

Temperature range for application from +10 °C to +30 °C

Maximum thickness from 2 mm to 25 mm

Waiting time for overlaying  $\approx$  4 – 8 hrs

Coverage  $\approx$  1.5 kg/m<sup>2</sup> per mm of thickness

Values taken at +20 °C, 65% R.H. and no ventilation. Data may vary depending on specific conditions at the building site, i.e.temperature, ventilation and absorbcency level of the substrate.

**Performance****VOC Indoor Air Quality (IAQ) - Volatile organic compound emissions**

Conformity	EC 1 GEV-Emicode	GEV Certified 4062/11.01.02
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**HIGH-TECH**

Reaction to fire	B-s1,d0	EN 998-1
Adhesion	≥ 0,1 N/mm <sup>2</sup> – FP: A	EN 998-1

## Warning

- Product for professional use
- abide by any standards and national regulations
- use at temperatures between +10 °C and +30 °C
- apply on dry substrates
- do not add binders or additives
- protect from direct sunlight and currents of air for the first 6 hours
- do not apply on dirty or loose surfaces
- dispose of as indicated in applicable legislation
- protect any surfaces and objects in the application area from accidental contact with the product
- if necessary, ask for the safety data sheet
- for any other issues, contact the Kerakoll Worldwide Global Service 01772 456 831 – info@kerakoll.co.uk



The Rating classifications refer to the GreenBuilding Rating Manual 2012. This information was last updated in December 2022 (ref. GBR Data Report – 12.22); please note that additions and/or amendments may be made over time by KERAKOLL SpA; for the latest version, see [www.kerakoll.com](http://www.kerakoll.com). KERAKOLL SpA shall therefore be liable for the validity, accuracy and updating of information provided only when taken directly from its institutional website. The technical data sheet given here is based on our technical and practical knowledge. As it is not possible for us to directly check the conditions in your building site and the execution of the work, this information represents general indications that do not bind Kerakoll in any way. Therefore, it is advisable to perform a preliminary test to verify the suitability of the product for your purposes.