

Wallzero®

Innovative mineral matrix composite, structural base layer for Cementoresina® Wall and for the repair of irregular substrates. Italian design for living comfort.

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 by 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 Mineral ≥ 30%
- ✓ CO₂ ≤ 250 g/kg
- ✓ VOC Very Low Emission
- ✓ Recyclable

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

Areas of application

→ Finishing product and continuous covering

→ Intended 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

→ 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 humidity value greater than 2% MC, on gypsum based plasters with a residual humidity $\geq 1\%$, on non-primed gypsum based coverings and substrates susceptible to damp.

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 (faded supports, 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 = 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 ≈ 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.

→ 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

Instructions for use

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 more water until the desired consistency is obtained. The mixture must be of smooth consistency and without any lumps. The amount of water to be added, indicated on the packaging, is an approximate guide. 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.

→ Cleaning

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

Certificates and marks



Special notes

- Showers/Baths: when applying in shower cabinets, baths, Turkish baths or washbasin counters the Wallzero® Support must be applied as usual, taking care to insert Aquastop 120 band in all the wall-floor corner joints to give and guarantee continuous waterproofing. Apply an initial bed of Wallzero® at the corner, rest the Aquastop 120 band and then cover the whole band with Wallzero® support so that it is completely hidden in the structural finishing coat.
- It is recommended that Aquastop Flangia 120x120 be inserted in the base coat at all breaks in the system (drains, taps, etc...) to prevent possible water infiltration into the support. Also insert Aquastop 120 band at the wall/wall corner joints inside bathtubs.
- 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.
- 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 ≈ 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 ≈ 3 l / 1 bag 25 kg

- fluid ≈ 3.3 l / 1 bag 25 kg

Pot life ≈ 30 min.

Relative environmental humidity ≤ 75%

Humidity of the substrate ≤ 2%

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

Maximum thickness from 2 mm to 25 mm

Waiting time for overlying ≈ 4 - 8 hrs

Coverage ≈ 1.5 kg/m² 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
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Adhesion	≥ 0.1 N/mm ² – FP: A	EN 998-1
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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 2013. This information was last updated in January 2021 (ref. GBR Data Report - 02.21); please note that additions and/or amendments may be made over time by KERAKOLL SpA; for the latest version, see 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 yards 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.