

Wall2Floor Residential

Seamless system for the decoration of walls and floors.

DESCRIPTION

Wall2Floor Residential system finds its ideal application in the field of residential civil construction, for the decoration and redevelopment of surfaces, offering the possibility of overlapping existing finishes.

Wall2Floor Residential system is dedicated to the multiple needs of surfaces and environments typical of residential civil architecture such as, for example, kitchens, living rooms (excluding laundries and garages), protected exteriors such as porches and areas facing the home (with the exception of areas facing swimming pools and areas intended for car parking).

USES

Wall2Floor Residential can be applied on:

- concrete
- screeds (sand and cement-based screeds, sand and specific binder for screeds, ready-made packaged screeds, self-leveling sand and cement screeds)
- radiant and refreshing with minimum thickness, above pipe, between 30-40 mm
- surfaces covered with ceramic, porcelain and mosaic tiling
- Klinker
- surfaces with existing epoxy or polyurethane coatings
- surfaces in natural and rebuilt stone
- mineral conglomerates of various kinds, provided they are absorbent
- new and old plasters based on hydraulic binders
- organic or mineral decorative coatings
- gypsum and plasterboard surfaces

Requirements:

Surfaces must be clean, dry and compact and free from flaking, salt bloom or damp, wax, oil and dust.

When applying to heated screeds, ensure that all necessary tests have been completed before the application of the **Wall2Floor system** to avoid the formation of condensation, cracks or lesions on the surface, which are in no way connected to the application of the **Wall2Floor system**.

Dynamic joints must remain free to absorb any structural movement that may occur; they must not be joined or covered for any reason.

UNSUITABLE SUBSTRATES

The Wall2Floor system cannot be applied to forkliftable surfaces, horizontal or vertical substrates that do not offer the necessary guarantees in terms of bonding and dimensional stability.

The following substrates are not suitable:

- forkliftable surfaces (garages, loading-unloading areas where the use of trolleys, transpallets, forklifts or similar, cars, etc.)
- radiant screeds with heating and cooling system
- wooden flooring
- linoleum
- pre-finished wooden flooring
- painted and unpainted uperfici metal surfaces
- glass surfaces or concrete and glass blocks
- moist surfaces or surfaces with rising damp
- do not apply to bathroom fittings or other substrates where water may be collected
- in case of radiant screeds with electric heating system, Calcium sulphate CA or magnesite MA, other types, please contact our technical assistance service.

Surfaces are divided into:

- **Absorbent horizontal surfaces:**

concrete, screeds (sand and cement screeds, sand and specific binder for screeds, ready-made packaged screeds, self-leveling sand and cement screeds), radiant and refreshing screeds with minimum above pipe thickness between 30-40 mm

- **Absorbent vertical surfaces:**

concrete, new and old plasters based on hydraulic binders, absorbent mineral conglomerates of various kinds, organic or mineral decorative coatings, gypsum and plasterboard surfaces

- **Non-absorbent horizontal surfaces:**

surfaces covered with ceramic, porcelain and mosaic tiling, Klinker, surfaces with existing epoxy or polyurethane coatings, surfaces in natural and rebuilt stone

- **Non-absorbent vertical surfaces:**

surfaces covered with ceramic, porcelain and mosaic tiling, Klinker, surfaces with existing epoxy or polyurethane coatings, surfaces in natural and rebuilt stone

To maintain the aesthetic continuity between the horizontal surface and the vertical surface, it is recommended to make both surfaces with the same application cycle.

Surfaces preparation:

- **Absorbent surfaces (horizontal and vertical):** clean the surface and apply a layer of **Decofix** diluted
- **Non-absorbent surfaces (horizontal and vertical):** clean the surface and apply a layer of **Wall2Floor Athena**.

On the non-absorbent surfaces and in all circumstances where it is recommended, apply a first coat of **Wall2Floor Rasal** or **Wall2Floor Epoxy Binder + Wall2Floor Rasal** incorporating an alkali resistant fiberglass mesh (**Wall2Floor Rete**) with nominal weight between 70-90 ± 5% g/m². Draw the ends close without overlapping.

The **Wall2Floor Residential** system can be applied with overall thickness:
< 3 mm internal horizontal and vertical surfaces; protected external surfaces
> 3 mm internal horizontal surfaces

Interiors < 3 mm

Product	Mixing ratio	N° layers	Tools	Drying time
Wall2Floor Rasal	25 kg W2F Rasal + 5-6 l water	two	notched trowel + stainless steel trowel	3-4 h
Wall2Floor Top Coat	15 kg comp A + 5 kg comp B 0 - 5% water	two	stainless steel trowel	3-4 h first layer 12-14 h second layer
Wall2Floor Primer	0,5 l comp A + 0,25 l comp B + 3 l water	one	brush	3-4 h
Wall2Floor Clear Finish Bi-Component	2,5 l comp A + 0,75 l comp B + 0 - 10% water	two	medium hair roller	4-6 h first layer 24 h second layer

Interiors > 3 mm

Product	Mixing ratio	N° layers	Tools	Drying time
Wall2Floor Easyflat	25 kg + 4 l water	one	notched trowel + bubble breaker roller	at least 24 h
Wall2Floor Rasal*	25 kg W2F Rasal + 5-6 l water	one	stainless steel trowel	3-4 h
Wall2Floor Top Coat	15 kg comp A + 5 kg comp B + 0 – 5% water	two	stainless steel trowel	3-4 h first layer 12-14 h second layer
Wall2Floor Primer	0,5 l comp A + 0,25 l comp B + 3 l water	one	brush	3-4 h
Wall2Floor Clear Finish Bi-Component	2,5 l comp A + 0,75 l comp B + 0 - 10% water	two	medium hair roller	4-6 h first layer 24 h second layer

*The application of a layer of Wall2Floor Rasal is optional and strictly related to the flatness of the surface

Protected exteriors surfaces < 3 mm

Product	Mixing ratio	N° layers	Tools	Drying time
Wall2Floor Epoxy Binder + Wall2Floor Rasal	1,6 l comp A + 0,8 comp B + 3 – 3,5 l water + 25 kg W2F Rasal	two	notched trowel + stainless steel trowel	3-4 h
Wall2Floor Top Coat	15 kg comp A + 5 kg comp B + 0 – 5% water	two	stainless steel trowel	3-4 h first layer 12-14 h second layer
Mineral Sealer	0,5 l comp A + 0,35 l comp B + 2,1 – 2,5 l water	one	brush	3-4 h
Wall2Floor Clear Finish Bi-Component (Satin/Glossy)	2,5 l comp A + 0,75 l comp B + 0 - 10% water	two	medium hair roller	4-6 h first layer 24 h second layer

After at least 24h from the final layer, it is recommended to carry out a water penetration test. Wet, with water at room temperature, the entire surface made with Wall2Floor system. Wait approx. 30 minutes and check if small dark spots (water penetration) appear. It can be easily restored by applying, with a brush, a layer of **Wall2Floor Primer**.

ENVIRONMENTAL CONDITIONS

Protect the surfaces from freezing and thermal shocks throughout the application. Do not apply when air, substrate or product temperatures are below +10°C or above +35°C, or under direct sunlight or on hot surfaces (even when in shadow), nor on damp or wet surfaces.

The required environmental and substrate conditions for the application of the **Wall2Floor system** are:

- Ambient temperature: Min. +10 °C / Max. +35 °C
- Relative ambient humidity: <75%
- Substrate temperature: Min. +10 °C / Max. +35 °C
- Relative humidity of the substrate: < 4%

Failure to observe the conditions listed above may cause flaws or defects in the physical and chemical characteristics of the products and affect the aesthetic performance of the **Wall2Floor system**.

Products and application

Decofix: waterbased micro emulsion fixative

Product preparation: dilute the product with clean water. The dilution depends on the type of surface to cover.

On gypsum and plasterboards: dilute from 50% to 100%.

On plasters, levelling products for thermal insulating system and on chalky walls and old paints: from 100% to 200% with water.

On concrete surfaces: from 200 % to 300% with water.

Application equipment: roller, brush.

Application: spread the product evenly and over the entire surface.

No. of coats: 1

Coverage: 8-18 m²/l, per each coat, depending on the type of surface and its absorption

Drying time: touch dry after around 30 minutes; over painting possible after 4 hours

Wall2Floor Athena: fixative based on acrylic polymers in aqueous dispersion specific for non-absorbent surfaces

Product preparation: Shake the product before the use.

Dilution: ready to use, max 10% with water

Application equipment: roller, brush.

Application: Spread the product evenly and over the entire surface paying attention to joints, corners and edges.

No. of coats: 1

Coverage: 10-15 m²/l, per each coat, depending on the type of surface.

Drying time: touch dry after around 1 hours; over painting possible after 4 hours

Wall2Floor Easyflat: Cement-based self-leveling mortar with low shrinkage.

Mixing ratio: use 4 litres of clean water for each 25 kg **Wall2Floor Easyflat**.

Preparing the mix: pour the mixing water into a clean container. Slowly add **Wall2Floor Easyflat** to the water using a mechanical spiral stirrer.

Mixing time: about three minutes to a uniform mix. The mix obtained must be a uniform, thixotropic mortar free of lumps. Stirring cannot be performed manually.

Pot life of mix: approx. 20 minutes

Application equipment: notched trowel and bubble breaker roller

Application: apply a layer of **Wall2Floor Easyflat**, spread the product evenly and over the entire surface. The product can be applied in thicknesses from 3 mm to 20 mm. Separate the surface in sections for thicknesses greater than 3 mm.

No. of coats: 1

Coverage rate (referred to powder): 3-8 kg/m² for thicknesses of 5 mm, per each coat.

Drying time for thicknesses up to 3 mm: at least 24 hours

Wall2Floor Epoxy Binder Component A and B + Wall2Floor Rasal: three-component epoxy- cementitious skim coat

Mixing ratio by weight: 2 parts of **Wall2Floor Epoxy Binder Component A** (1,6 l) + 1 part **Wall2Floor Epoxy Binder Component B** (0,8 l) + 25 Kg of **Wall2Floor Rasal**.

Dilution: the final mix (1,6 l of component A + 0,8 l of component B) must be diluted by adding 3-3,5 l of water.

Preparing the mix: stir **Wall2Floor Epoxy Binder Component A** to incorporate any sediment. Pour **Wall2Floor Epoxy Binder Component B** into **Wall2Floor Epoxy Binder Component A** and mix for approx. 45-60 seconds. Add **Wall2Floor Rasal** gradually to the obtained mix while stirring continuously. Use a mechanical spiral stirrer to blend the mix; this operation cannot be performed manually.

Mixing time: about three minutes to a uniform mix. The mix obtained must be a uniform, thixotropic mortar free of lumps.

Periodically blend the mix to prevent the stratification of inert matter.

Pot life of mix: approx. 30 minutes

Application equipment: notched trowel and stainless steel trowel.

Application: apply **Wall2Floor Epoxy Binder Component A and B + Wall2Floor Rasal** evenly on the surface.

No. of coats: 1

Coverage rate (referred to A+B mix + Wall2Floor Rasal): 3,0 Kg/m² in two layers

Drying time for thicknesses up to 3 mm: touch dry after approx. 3-4 hours; over painting possible after 4 hours.

Wall2Floor Rasal: preparation cementitious skim coat.

Mixing ratio: use 5-6 litres of clean water for each 25 kg package of **Wall2Floor Rasal**.

Preparing the mix: pour the mixing water into a clean container. Slowly add **Wall2Floor Rasal** to the water

using a mechanical spiral stirrer.

Mixing time: about three minutes to a uniform mix. The mix obtained must be a uniform, thixotropic mortar free of lumps. Stirring cannot be performed manually.

Pot life of mix: approx. 120 minutes

Application equipment: notched trowel and stainless steel trowel.

Application: apply **Wall2Floor Rasal** evenly on the surface.

N° of coats: 2

Coverage rate (referred to powder): 1,5-2,5 Kg/m² in two layers.

Drying time: touch dry after approx. 3-4 hours; over painting possible after 4 hours

Wall2Floor Top Coat: decorative coating for horizontal and vertical surfaces.

Mixing ratio by weight: 15 Kg of **Wall2Floor Top Coat** + 5 Kg of **Wall2Floor Component B**.

Dilution: it is possible to dilute the final mix by adding up to 5% of water.

Tinting: stir **Wall2Floor Top Coat** before colouring. Tint using Novacolor tinting system. Mix the colouring agent with **Wall2Floor Top Coat** using a gyroscopic stirrer or a mechanical spiral stirrer.

Preparing the mix: only immediately before applying the product at the job site add to each 15 kg package of **Wall2Floor Top Coat**, a 5 kg package of **Wall2Floor Component B**. The powder component (**Wall2Floor Component B**) must be added gradually and blending performed using a mechanical spiral stirrer. The mixing of the two components cannot be performed manually.

Mixing time: about three minutes to a uniform mix. The mix obtained must be a uniform, thixotropic mortar free of lumps.

Pot life of mix: approx. 120 minutes

Application equipment: stainless steel trowel.

Application: apply a first coat of **Wall2Floor Top Coat**, previously mixed with **Wall2Floor Component B** to smooth the surface. Wait for the surface to dry, usually between 3-4 hours, and then apply a second layer of **Wall2Floor Top Coat**, previously mixed with **Wall2Floor Component B**, and work the surface to obtain the desired aesthetic effect.

No. of coats: 2

Coverage rate (referred to the mix Wall2Floor Top Coat + Wall2Floor Component B): 1,2-1,5 kg/m², on the two coats.

Drying time: touch dry after approx. 3-4 hours; over painting possible after 12-14 hours

Wall2Floor Primer: high-penetration two-component epoxy primer.

Mixing ratio by weight: 2 parts of component A + 1 part of component B.

Preparing the mix: stir Wall2Floor Primer Component A to incorporate any sediment. Pour **Wall2Floor Primer Component B** into **Wall2Floor Primer Component A** and mix by hand for approx. 45-60 seconds.

Dilution: dilute the final mix (0,500 l of component A + 0,250 l of component B) by adding 3 l of water.

Application equipment: brush.

Pot life of mix: approx. 60 minutes

Application: apply a coat of **Wall2Floor Primer** prepared in advance. Spread the product evenly and smoothly over the entire surface, ensuring saturation according to substrate porosity, using a sponge trowel. Throughout each stage of finishing, do not wait more than 72 hours before applying a coat over the preceding layer.

No. of coats: 1

Coverage rate (referred to A+B mix): 16-21 m²/l, a layer.

Drying time: touch dry after approx. 3 hours; over painting possible after 12 hours.

Mineral Sealer: two-component epoxy primer

Mixing ratio by weight: 10 parts of component A + 7 parts of component B

Preparing the mix: stir **Mineral Sealer A** to incorporate any sediment. Pour **Mineral Sealer B** into **Mineral Sealer A** and mix by hand for approx. 45-60 seconds.

Dilution: dilute the final mix (0,500 l of component A + 0,350 l of component B) by adding 2,1 - 2,5 l of water.

Application equipment: brush

Pot life of mix: approx. 60 minutes. Do not add extra water to increase the pot life.

Application: apply a coat of **Mineral Sealer** prepared in advance. Spread the product evenly and smoothly over the entire surface, ensuring saturation according to substrate porosity. Throughout each stage of finishing, do not wait more than 72 hours before applying a coat over the preceding layer.

No. of coats: 1

Coverage rate (referred to A+B mix): 8-12 m²/l a layer.

Drying time: touch dry after approx. 3-4 hours; over painting possible after 12 hours

Wall2Floor Clear Finish Finish Bi-Component (Matt, Satin, Glossy): two-component water-based polyurethane finish

Mixing ratio by weight: 10 parts of component A + 3 parts of component B

Preparing the mix: stir **Wall2Floor Clear Finish A** to incorporate any sediment. Pour **Wall2Floor Clear Finish B** into **Wall2Floor Clear Finish A** and mix by hand for approx. 45-60 seconds. You may also choose to use a mechanical stirrer with paddle at slow speed for approx. 1 minute. The final mix will be free of lumps, impurities or unmixed residues of the two components.

Dilution: it is possible to dilute the final mix by adding up to 10% of water.

Before applying each layer of **Wall2Floor Clear Finish** we advise filtering the mix using a cloth or nylon filter or a specific paint filter-funnel with a 40-90 micron mesh.

Tools: medium hair roller

Pot life of mix: approx. 60 minutes

Application: apply two layers of **Wall2Floor Clear Finish** prepared in advance. Spread the product evenly and over the entire surface, avoiding build-up. Be especially careful when applying around corners and edges. Wait for sufficient drying time between one layer and the other.

No. of coats: 2

Coverage rate (referred to A+B mix) 6-7 m²/l, in two layers.

Drying time: touch dry after approx. 4-6 hours; walkable after at least 24 hours; complete cure: 7 days. The full achievement of chemical and physical resistances will occur approximately 7 days after the application of the last layer. During this time, do not cover the surface with sheets, cardboard, etc. because it could generate aesthetic alterations of the surfaces not removable.

In the case of finishes made with Wall2Floor Clear Finish Matt, where maximum resistance to liquid substances is desired, it is recommended to apply a first layer of Wall2Floor Clear Finish Satin or Glossy and then apply a second layer of Wall2Floor Clear Finish Matt.

Complementary products

Wall2Floor Rete: an alkali resistant fiberglass mesh with nominal weight between 70-90 ± 5% g/m²

The mesh must be incorporated in the first layer without overlapping the ends.

Dimensions: length 50,0 m and width 1,10 m

Clear Finish Anti-Slip: two-component water-based polyurethane protection

Mixing ratio by weight: 100 parts of component A + 25 parts of component B

Preparing the mix: stir **Clear Finish Anti-Slip A** to incorporate any sediment. Pour **Clear Finish Anti-Slip B** into **Clear Finish Anti-Slip A** and mix by hand for approx. 45-60 seconds. You may also choose to use a mechanical stirrer with paddle at slow speed for approx. 1 minute. The final mix will be free of lumps, impurities or unmixed residues of the two components.

Dilution: it is possible to dilute the final mix by adding up to 10% of water.

Before applying each layer of **Clear Finish Anti-Slip** we advise filtering the mix using a cloth or nylon filter or a specific paint filter-funnel with a 40-90 micron mesh.

Tools: medium hair roller

Pot life of mix: approx. 60 minutes

Application: apply one layer of **Clear Finish Anti-Slip** prepared in advance. Spread the product evenly and over the entire surface, avoiding build-up. Be especially careful when applying around corners and edges. Wait for sufficient drying time between one layer and the other.

No. of coats: 1

Coverage rate (referred to A+B mix) 10-14 m²/l, for each layer.

Drying time: walkable after at least 24 hours; complete cure: 7 days

CLEANING THE EQUIPMENT

For all other products, use water to clean the equipment.

STORAGE CONDITIONS AND SHELF LIFE

Stability in the original unopened containers, stored under cover and in adequate temperature conditions: 1 year for powder products and two-component products and two years for paste products.

Maximum storage temperature: +35°C

Minimum storage temperature: +5°C.

TINTING

Colours are obtainable using the Novacolor tinting system. It is advisable to use only resistant colouring pastes tested on mineral systems and strongly alkaline pH. **Wall2Floor Top Coat**, **Wall2Floor Patina Neutra** can be coloured and this operation must always be carried out before the addition of the component B. It is good practice to always use material from the same manufacturing batch.

WARNINGS

Prolonged contact with soaps, oils, creams and liquids in general or with wet objects may lead to stains or smudges on the surface where the contact occurs.

Allow at least four weeks' curing before applying to newly-laid concrete substrates.

The product should be used only by personnel with experience in laying floors.

Further details may be found in the **WALL2FLOOR MANUAL**.

PRECAUTIONS

Check the suitability and condition of equipment and personal protective equipment (goggles, gloves, knee pads, etc.).

Do not expose the products to direct heat or temperatures below +5 °C for long periods. If the products are stored at temperatures close to +5°C, we recommend that prior to use they are placed in an area with higher and more appropriate temperatures so that when they are to be used the product temperature will not be below +10 °C. If stored at temperatures below +10° C, place the product in a properly heated room prior to use.

Do not heat the products using a direct source of heat, flame, heat element or similar. Low temperatures increase the pot viscosity making the mix difficult to use and lengthening or inhibiting the drying and hardening process of the various products.

If the **Wall2Floor system** is to be applied on both vertical and horizontal surfaces in the same environment, we recommend applying the system firstly to vertical surfaces and then to the horizontal surfaces.

Through all the phases of application of the **Wall2Floor system**, adhesive tape must only be removed once the hardening of each layer is complete.

It is advisable to finish each work with material from the same production batch. If using different production batches it is advisable to mix the various mixes in order to avoid slight differences in hues. For jobs where the use of different production batches is unavoidable, do not apply one colour directly alongside the other.

Change the batch where there are breaks in the surfaces, such as mouldings, corners, expansion joints and so on.

Ensure that a correct quantity of product is applied, especially where there are corners, sharp edges, steps or risers. It is advisable to protect corners, sharp edges, steps and risers, with suitable edge protection. Consider using concealed edge protections, which will be embedded into the layers of **Wall2Floor Epoxy Binder + Wall2Floor Rasal** and **Wall2Floor Top Coat Waterproof**.

Pay particular attention when applying the product inside shower stalls or on other surfaces exposed to contact with water. Do not leave pools of water in prolonged contact with the surface.

Edge protections available on the market can be glued on the finished surface to provide additional protection especially on edges and corners.

It is good practice to always use new or thoroughly cleaned equipment; if necessary replace tools after each application cycle.

Important notes:

The Wall2Floor is applied on site. During the application phases, marks left by the laying equipment (rollers, trowels, etc.) and the typical effects contributing to the decoration of the surface may be visible. It is advisable to take the necessary precautions to prevent that dust, insects or other materials, carried in accidentally, for example by the wind, remain embedded into the surface. It should not be forgotten that any material is subject to wear and tear and therefore to scratches. Pay particular attention when applying the product inside shower stalls or on other surfaces exposed to contact with water.

In shower stalls that have no ceramic pan, create a slope to allow water to drain. The construction of a shower pan must be designed during renovation or construction so as to include adequate waterproofing treatment. Do not leave pools of water in prolonged contact with the surface.

Prolonged contact with soaps, oils, creams and liquids in general or with wet objects may lead to stains or smudges on the surface where the contact occurs.

The chemical mixtures of certain components present in the rubber of the caps, used to cover the feet of furniture, chairs, tables, etc., could migrate onto the floor, generating unsightly shading and stains, reproducing the shape of the cap on the surface of the floor.

The components of the Wall2Floor system are subjected to specific tests to evaluate their behavior at contact with carpets, doormats, mats and rubber plugs (generally black) of the furniture.

However, the market offers such a vast multitude of solutions that it cannot be fully examined. It is advisable to replace the rubber caps, where present, with transparent silicone caps, identical to the models normally provided for wooden floors.

To avoid unsightly black streaks, we recommend installing soft transparent wheels in polyurethane or silicone on chairs.

Even contact with some kind of carpets and doormats can release plasticizing substances, or other components present in the rubber compound which, under certain conditions, generate stains and others aesthetic anomalies on the floor.

Transfer phenomena can also be found in the areas where rubber wheels are permanently positioned. Avoid direct contact of the wheels on the floor, when interposing a protection between the flooring and the rubber is not possible.

CLEANING AND MAINTENANCE OF SURFACES

Do not clean the surface for the first time until the coating has hardened, generally, after a period of at least **7 days** (calculated at an average temperature of 25 °C and humidity of 60%). In general, surfaces coated with the **Wall2Floor system** can be washed with non-aggressive (neutral) detergents in cold or moderately warm water (never wash with temperatures above 40 °C to avoid thermal shocks and avoid steam cleaning).

Do not use brushing machines that might affect and alter performance and aesthetic effect.

For the same reasons, do not use **strongly alkaline or acidic descaling products** that may compromise the surface coated with the **Wall2Floor system**.

The surfaces exhibit good resistance to a wide variety of substances commonly used in the home and professionally.

It is advisable to avoid prolonged contact with possibly aggressive substances by removing them quickly and cleaning with water to avoid possible corrosion of the surface of Wall2Floor.

Avoid prolonged contact with lemon coffee, lemon juice, tea, vinegar, tomato juice, descaling products and strongly alkaline or acidic detergents in general.

Sand and clean before performing maintenance of the surface layer. It is advisable to reapply the same finish following the instructions detailed above.

Maintenance, particularly if concentrated on a specific portion of the surface, may be visible.

SAFETY

Irritant / risk of serious damage to eyes / skin irritant / keep out of the reach of children / avoid contact with eyes / in case of contact with eyes, rinse immediately with plenty of water and seek medical advice / wear suitable gloves and protect eyes / face / do not breathe dust / if swallowed, seek medical advice immediately and show this container or label.

The product must be transported, used and stored in accordance with current legislation concerning health and safety; let residues dry out completely and treat them as special waste.

For further information, consult the MSDS.

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