

# Wall2Floor- Outdoor System

Seamless system for the decoration of walls and floorings.

## DESCRIPTION

**Wall2Floor Outdoor** is a specific declination of the **Wall2Floor** mineral coating for the decoration of both horizontal and vertical surfaces.

Thanks to the synergy of the various components **Wall2Floor Outdoor** allow to achieve high mechanical strengths associated with a long durability.

The two-component epoxy binder, **Wall2Floor Block**, Tri-component epoxy cementitious **Wall2Floor Epoxy Binder** and the fine decorative **Wall2Floor Top Coat Fine**, allow to reach an excellent aesthetic result associated with excellent adhesion to the support. **The Wall2Floor Clear Finish finishes in addition to being low-light, guarantee a high resistance to water and abrasion.**

**Wall2Floor Outdoor** performance has been tested in accordance with **UNI EN ISO 5470-1**, **UNI EN ISO 6272** and **EN 12720: 2013** guidelines.

**Wall2Floor Outdoor** uses as wall preparation product **Wall2Floor Block** an effective vapor barrier bi-component epoxy. In order to guarantee an excellent result in time, from a technical and aesthetic point of view, prior to the realization of **Wall2Floor Outdoor** it is essential to consider the destination of use of the surface (garden board, pedestrian path, pool edge, etc.), having care to evaluate the state and the presence of suitable backgrounds appropriate to the context.

For surfaces with water stagnation and pedestrian foot bouncing, for example near swimming pools, it is advisable to make with **Wall2Floor Rasal** and **Wall2Floor Top Coat Fine** Finish a slight texturization to provide less slippage.

## APPLICATIONS

**Wall2Floor Outdoor** represents a perfect solution for any residential and commercial needs, such as terraces and outdoor areas. The various solutions offered, specific for each intended use can meet the needs of a variety of areas of application.

The **Wall2Floor** can be applied to:

- Concrete
- Screeds (traditional cement screeds, heated or floating screeds, etc.).
- Surfaces covered with ceramic, porcelain and mosaic tiling
- 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

## 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**.

In shower stalls that have no ceramic pan, create a slope to allow water to drain.

**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

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- Wooden flooring
- Linoleum.
- Pre-finished wooden flooring.
- Painted and unpainted 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 collect.

## PREPARATION AND APPLICATION OF PRODUCTS OF THE WALL2FLOOR SYSTEM

### Horizontal surfaces

	TRADITIONAL SCREEDS, CONCRETE, MINERAL CONGLOMERATES	SURFACES COVERED WITH CERAMIC TILING, IN NATURAL AND REBUILT STONE; SURFACES WITH EPOXY OR POLYURETHANE COATINGS	NON-PLANAR ABSORBENT MINERAL SURFACES
Wall2Floor Mesh	●	●	●
Wall2Floor Block (A+B)	●	●	●
Wall2Floor Block (A+B) + Wall2Floor Sand	●	●	●
Wall2Floor Easyflat			●
Wall2Floor Epoxy Binder (A+B) + Wall2Floor Rasal	●	●	●
Wall2Floor Rasal	●	●	●
2 coats of Wall2Floor Top Coat Fine + Wall2Floor Component B	●	●	●
2 coats of Wall2Floor Clear Finish (Matt/Satin/Glossy) (A+B)	●	●	●
Clear Finish Anti-Slip (A+B)	●*	●*	●*

\* **Clear Finish Anti-Slip** is a technical product with anti-slip properties. The application of one layer of **Clear Finish Anti-Slip** permits to achieve a coefficient of slip-resistance, as reported in the specific technical data sheet. Clean the equipment immediately after use; for **Wall2Floor Block A** and **B**, **Wall2Floor Block (A+B) + Wall2Floor Sand** clean the equipment using a nitro thinner.

## PREPARATION AND APPLICATION OF PRODUCTS OF THE WALL2FLOOR SYSTEM

### Vertical Surfaces

	TRADITIONAL SCREEDS, CONCRETE, MINERAL CONGLOMERATES	SURFACES COVERED WITH CERAMIC TILING, IN NATURAL AND REBUILT STONE; SURFACES WITH EPOXY OR POLYURETHANE COATINGS	NON-PLANAR ABSORBENT MINERAL SURFACES
<b>Decofix</b>	●		●
<b>Wall2Floor Athena</b>		●	
<b>Wall2Floor Rasal</b>		●	●
<b>Wall2Floor Mesh</b>		●	●
<b>Wall2Floor Rasal</b>		●	●
2 coats of <b>Wall2Floor Top Coat Fine + Wall2Floor Component B</b>	●	●	●
2 coats of <b>Wall2Floor Clear Finish (Matt/Satin/Glossy) (A+B)</b>	●	●	●

### 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**.

### Ancillary Technical 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 1.0 m.

### Primers

**Wall2Floor Block:** two-component epoxy steam barrier

Residual humidity: < 5%

Mixing ratio by weight: (100÷60): 3.3 Kg of **Wall2Floor Block Component A** + 2.0 Kg **Wall2Floor Block Component B**.

Preparing the mix: stir **Wall2Floor Block Component A** to incorporate any sediment. Pour **Wall2Floor**

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**Block Component B** into **Wall2Floor Block Component 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: the product cannot be diluted.

Pot life of mix: approx. 60 minutes

Application equipment: roller.

Application: before applying, place an alkali resistant fiberglass mesh with nominal weight between 70-90 ± 5% g/m<sup>2</sup> on the surface (**Wall2Floor Rete**). Draw the ends close without overlapping. Cover the mesh by applying **Wall2Floor Block** with a roller, making sure to spread the product evenly and over the entire surface.

No. of coats: 1

Coverage rate (referred to A+B mix) 0.300-0.400 Kg/m<sup>2</sup> per coat

Drying time: touch dry after approx. 4-6 hours; over painting possible after 8 hours

The tools must be cleaned with **NITRO THINNER**

**Wall2Floor Block + Wall2Floor Sand**: Tri-component quartz epoxy primer

Mixing ratio by weight: 3.3 Kg of **Wall2Floor Block Component A** + 2.0 Kg **Wall2Floor Block Component B** + 10.75 Kg of **Wall2Floor Sand** (quartz sand 0.3-0.9 mm).

Preparing the mix: stir **Wall2Floor Block Component A** to incorporate any sediment. Pour **Wall2Floor Block Component B** into **Wall2Floor Primer Component A** and mix for approx. 45-60 seconds. Add **Wall2Floor Sand** 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 uniform and free of lumps.

**While using, continue to blend the mix manually to prevent sand stratification**

Dilution: the product cannot be diluted.

Pot life of mix: approx. 60 minutes

Application equipment: stainless steel trowel.

Application: apply a layer of the above mixture making sure to cover the mesh. For proper use of the material and not to alter its performance and features, stir the mortar frequently.

No. of coats: 1

Coverage rate (referred to A+B mix + Wall2Floor Sand): 3.6-4.0 Kg/m<sup>2</sup> per coat.

Drying time: touch dry after approx. 6-8 hours; over painting possible after 12 hours

The tools must be cleaned with **NITRO THINNER**

### Skim coats

**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: stainless steel trowel.

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): 2.5-6.8 kg/m<sup>2</sup> for thicknesses of 5 mm, per each coat.

Drying time for thicknesses up to 3 mm: touch dry after approx. 6-8 hours; over painting possible after 12 hours; for thicknesses greater than 3 mm up to 3 days.

**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**.

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Dilution: the final mix (1.6 l of component A + 0.8 l of component B) must be diluted by adding 2.5 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. 60 minutes

Application equipment: stainless steel trowel.

Application: apply a coat of **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): 2.0-2.5 Kg/m<sup>2</sup> per coat

Drying time for thicknesses up to 3 mm: touch dry after approx. 6-8 hours; over painting possible after 12 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: stainless steel trowel.

Application on vertical substrates: apply a first coat of **Wall2Floor Rasal** incorporating an alkali resistant fiberglass mesh with nominal weight between 70-90 ± 5% g/m<sup>2</sup> (**Wall2Floor Rete**). Draw the ends close without overlapping. Wait for the surface to dry, usually between 6-8 hours, and then apply a second layer of **Wall2Floor Rasal** with stainless steel trowel to level the surface.

No. of coats: 1 in horizontal / 2 in vertical

Coverage rate (referred to powder): 0.8-1.3 Kg/m<sup>2</sup> per coat

Drying time: touch dry after approx. 6-8 hours; over painting possible after 8 hours

### Decorative coatings

**Wall2Floor Top Coat Fine**: fine decorative coating for internal and external horizontal surfaces.

Mixing ratio by weight: 15 Kg of **Wall2Floor Top Coat Fine** + 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 Fine** before colouring. Tint using the **Mixcolor** colouring system by **Novacolor**. Mix the colouring agent with **Wall2Floor Top Coat Fine** 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 Fine**, 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 Fine**, previously mixed with **Wall2Floor Component B** to smooth the surface. Wait for the surface to dry, usually between 6-8 hours, and then apply a second layer of **Wall2Floor Top Coat Fine**, 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 Fine + Wall2Floor Component B): 1.0-1.2 kg/m<sup>2</sup>,

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with two coats.

Drying time: touch dry after approx. 6-8 hours; over painting possible after 8 hours

**Wall2Floor Component B:** powder admixture specifically for **Wall2Floor Top Coat** and **Wall2Floor Top Coat Fine**.

### Protections

**Clear 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 **Clear Finish A** to incorporate any sediment. Pour **Clear Finish B** into **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 **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.

Pot life of mix: approx. 60 minutes

Application: apply a coat of **Clear Finish** prepared in advance. Apply two coats of **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 m<sup>2</sup>/l, with two coats.

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

**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 m<sup>2</sup>/l, for each layer.

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

### CLEANING THE EQUIPMENT

Clean the equipment immediately after use. For **Wall2Floor Block A** and **B**, **Wall2Floor Block (A+B)** + **Wall2Floor Sand** clean the equipment using a nitro thinner.

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.

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## TINTING

Colours are obtainable using the tinting system Mixcolor by Novacolor. It is advisable to use only resistant colouring pastes tested on mineral systems with strongly alkaline pH. **Wall2Floor Top Coat**, **Wall2Floor Top Coat Fine**, and **Wall2Floor Patina Neutra** can be coloured. Regarding **Wall2Floor Top Coat**, this operation must always be carried out before the addition of **Wall2Floor 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 SYSTEM ANNEX** to the technical data sheet.

## 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 Rasal and Wall2Floor Top Coat**.

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.**

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**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.**

#### **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.**

N.B. COLORIFICIO NOVACOLOR guarantees that the information herein is provided to the best of its experience and its technical and scientific knowledge; however, it cannot assume any responsibility for the results obtained using these products since the conditions of application are beyond its control. We recommend that you always check the suitability of the product to each specific use. This current edition supersedes all previous information sheets.