

Microbond® is a cementitious ready-mix product, single-component, which is mixed with water for a smooth and uniform trowelled finish. It can be applied on internal and external surface and can be combined with any colour.

Microbond® is the perfect product for decorative concrete stamping and concrete trowelled finish.

Microbond® can be applied both on horizontal and vertical surfaces, ceilings, floors, walls and pieces of furniture.

Properties

- Ready for use, mixes with water only.
- Can be applied on horizontal and vertical surfaces.
- Can be applied on internal and external surfaces.
- Easy application.
- Can be used with any colour.
- Can be applied at low-thickness (about 1 mm)
- Wear resistant.
- Excellent adhesion to the surface.
- Non-toxic, eco-friendly and safe.
- Can be used to increase concrete durability.
- Can be applied on wood, concrete, metal, baked clays, tiles.

Uses

- On precast concrete.
- Over Ecobeton Ercole®.
- Decorative finishes.
- On walls, floors, and ceilings.
- For residential surfaces and floors.
- For wellness centres, laboratories, bars and restaurants.
- To achieve trowelled finish.
- On kitchen tops and wetrooms
- On terraces and outdoor stairs

Application

Low thickness cementitious overlays need mild temperature and, possibly, uniform sunlight in order to complete the curing. The product must be applied only when the surface temperature is above 5°C and air temperature above 10°C. Do not apply if temperature is above 40°C.

Surface preparation:

The surface must be sound and intact. Any structural repairs, crack treatments, floor repairs and deep fills should be completed prior to general resurfacing. Apply Ecobeton Ercole® to surface prior to **Microbond®** application.

Mixing:

Microbond® is ready to use, just by adding water (between 5 to 7 litres per 25 kg) and mix at low speed with a mixing drill in a clean bucket until you get the desired consistency.

Wait 5 minutes before applying.

Microbond® is available in white or grey, but any colour may be obtained by adding Ecobeton dyes into the mixture.

Application:

Substrate must first be dampened with fresh water. Apply **Microbond®** over Ercole® after it has thoroughly dried.

Microbond® can be applied by trowel in multiple applications as needed until desired smoothness or finish is reached.

After **Microbond®** has dried, the surface can be sanded with a dustless sanding machine or polishing machine to achieve a smooth uniform finish. It is to be used to fill voids and smooth the surface.

The final surface should be uniform in colour and texture.

To achieve smooth surfaces:

After Ercole® is dried, damp the surface with clean water and apply **Microbond®** with a trowel in two coat or more, if necessary. Wait 24 hour to apply the following coat. The overlay can be sanded, when it's dried, between one coat and another and/or after la last one.

To achieve trowelled finish:

Use less water for the mixing in order to get a "dry mixture". Apply **Microbond®** on a wet surface using a trowel. Wait 24 hour to apply the following coat.

Floor protection:

We recommend the use one of Ecobeton sealer to prevent water, oil and grease absorption.

Limitations

Microbond® has to be applied only when surface temperature is above 5°C. On external surfaces, do not apply when precipitation is expected within 24 hours following of application. Do not expose the material to frost.

Read the Material Safety Data Sheet available on internet www.ecobeton.com.

Technical specifications

Coverage rate ⁽¹⁾	1,5 kg/m ² (approx. 15 m ² per bucket)
Packaging	25 kg pails - 33 pails per pallet
Appearance	Fine powder
Colour	White and grey
Shelf life ⁽²⁾	6 months store in a dry place
Curing time ⁽³⁾	72 hours (pedestrian traffic) 28 days (complete curing)


(1) The coverage rate include two coats and depends on substrate conditions and surface porosity.

(2) Stored in original sealed containers at temperature between 10°C and 25°C

(3) At 20°C and 65% RH

Note:

The information contained in this sheet is accurate to the best of our current knowledge. The products are guaranteed and have the highest quality and standard with regard to product tolerances. As it is impossible to carry out any controls on the application of the product, no express or implicit guarantee is provided as regards the final result and no responsibility is accepted directly or indirectly by the use of the products. Users are encouraged to carry out tests before application.

		Ecobeton Italy Srl Via Galileo Galilei 47, 36030 Costabissara (VI) 17 DOP n° 71030DOP-13813
UNI EN 13813:2004 CT-C25-F10 Microbond® Screed material and floor screeds		
EN 13501-1 EN 1062-3 EN 12086 prEN 13892-2 prEN 13892-2 prEN 13892-4 EN ISO 140-6 prEN 12354-6 EN 12664 EN 13529	Reaction to fire A ₂ -s1 Release of corrosive substances CT Liquid water permeability NPD Water vapour permeability NPD Compressive strength C25 Flexural strength F10 Abrasion resistance NPD Sound insulation NPD Sound absorption NPD Thermal resistance NPD Chemical resistance NPD	

The above technical data has been obtained with a dosage of 3,5 litre of water per bucket.
 Declaration of Performance (DoP) available on the website www.ecobeton.com.



For more details visit website:

www.ecobeton.com

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Ecobeton Italy s.r.l. is a company certified with ISO 14001 environmental management system.

ecobeton

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