Microbond®

CEMENTITIOUS OVERLAY

CE

FOR PROFESSIONAL USE ONLY - REVISION DATE: 09 APRIL 2025

Microbond® is a cementious 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.

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® should be mixed exclusively with clean water using a mixing drill at low speed taking care not to incorporate air. A 25 kg bucket of **Microbond®** can be mixed with a maximum of 6.5 L of water, however, the ideal consistency may vary depending on the type of work and the existing substrate.

It is recommended to carry out a test in advance to assess the most suitable consistency. Allow the mix to rest for 3 minutes before applying the coating.

Microbond® is available in white and grey, but it is possible to obtain different colours and shades by adding Ecobeton dyes into the water (contact the Ecobeton technical service for more details).

To achieve uniform-textured surfaces:

Damp the surface with clean water and apply **Microbond®** using a rubber trowel (magic trowel) in two or more coats if necessary. Wait 24 hours between each coat. The coating can be sanded both between coats and after the final application (when the material is completely dry) using a sanding machine (120 grit sandpaper or higher). The final surface should be uniform in colour and texture. This laying method is suitable on floors.

To achieve trowel-textured surfaces:

Apply **Microbond®** on a damp surface with an american trowel in two or more coats until the desired effect is achieved. Wait the material to be completely dry (usually 24 hours) before applying another coat. The coating can be sanded once dry to obtain a smoother surface. Use an orbital sander machine with a fine-grit abrasive disc (120 grit or more). This method of laying is suitable both on walls and floors.

Coating protection:

In order to facilitate cleaning and avoid staining and absorption of liquids, it is recommended to apply one of the Ecobeton sealers as a top coat.

Technical specifications

Coverage rate (1)	1,5 kg/m² (approx. 15 m² per bucket)
Packaging	25 kg pails - 33 pails per pallet
Appareance	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

CE

Ecobeton Italy Srl
Via Galileo Galilei 47, 36030 Costabissara (VI)
17
DOP n° 171030DOP-13813

EN 13813:2004 CT-C30-F7
Microbond®
Cementitious screed material for internal floors

Reaction to fire:	$A2_{fl}$ - s1
Release of corrosive substances:	CT
Water permeability:	NPD
Water vapour permeability:	NPD
Compressive strength:	C30
Flexural strength:	F7
Abrasion resistance:	NPD
Sound insulation:	NPD
Sound absorption:	NPD
Thermal resistence:	NPD
Chemical resistance:	NPD

The above technical date 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.

Limitations

Microbond® must be applied only when the surface temperature is above 5°C and less than 35°C and the air temperature between 10°C and 35°C. On external surfaces, do not apply when rain is expected within 24 hours following of application. Do not expose the material to frost.

Read the Material Safety Data Sheet available at www.ecobeton.com.

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.

For more details visit website:
www.ecobeton.com
e-mail for technical support:
europe@ecobeton.it

ecoBETON

Ecobeton Europe
via G. Galilei, 47
36030 Costabissara (VI) Italy

T (+39) 0444 971893
E europe@ecobeton.it
I www.ecobeton.com