

Ercole® is a polymer-Portland-cement concrete (PCC), ready to use, and it is designed for use at low thickness on concrete, asphalt, plaster, wood, metal and other surfaces. It is a special and versatile product for any purpose of restoration and resurfacing.

Ercole® applied on damaged or deteriorated concrete, avoids demolition. It is a single component ready mixed copolymer designed to avoid the need to replace damaged or deteriorated concrete and masonry.

Properties

Ercole® is suitable for restoration and resurfacing of concrete.

- Is ready to be mix with water.
- Has an extraordinary resistance to cycles of freezing and thawing, and to attack by chlorides, sulphates and thawing salts.
- Is used for interior and exterior applications.
- Is easy to apply.
- Can be used to recover concrete.
- Is resistant to the abrasion.
- Is non-toxic and environmentally friendly.
- Is an excellent substrate for following applications.
- Is applied from 1 to 3 mm thickness.
- Is weather resistant.
- Is waterproof.
- Can be used on footpaths, driveways and roads.

Uses

- Floor levelling and anti slip surfaces.
- Patching, repairing and restoring concrete.
- Concrete restoring in vertical and horizontal line.
- Repairing cracks
- Reduction of the vapour tension through the raft foundations
- Pedestrian surfaces; platforms and loading ramps
- Parks, garages, entrances, storehouses and sheds
- Skateboard track, bridges, pathments, roads and highways
- Landing strips, brickwork, decorative concrete
- Masonry and decorative concrete (coloured or stamped)

Application

The 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. Do not apply if rainfall is due in the following 24 hours.

Ercole® is applied by using a squeegee, a spray, a float or a trowel, or with other similar systems.

Surface preparation:

The surface must be sound and intact. Before applying the product, remove existing sealers or overlays in order to ensure the best adhesion. Repair cracks and fissures. Prior treatment with Evercrete Pavishield® or Evercrete Vetrofluid® is recommended.

Mixing:

Ercole® is ready to use, just by adding water (3-4 liters for a dry mixture, 4-6 liters for the self-levelling mixture) and mixing with a mixing drill in the bucket until you get the desired consistency, trying to avoid air bubbles during mixing.

Self-levelling mixture is the most common application for 1 to 3 mm thickness overlays.

Vertical and ceiling applications require a low slump dry mixture, by adding less water until you reach plaster-like consistency. For repairs over 3 mm, sand and aggregates can be added up to 1/3 of Ercole® mixture.

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

Wait 5 minutes before applying.

Application:

The surface must be wet before applying. For low thickness overlays, you can use a self-levelling mixture and apply two coats with a rubber spatula (squeegee).

Self levelling applications can be sanded between the coats and after the final coat, using a sanding machine or single brush machine. The final surface should be uniform in colour and texture.

Floor protection:

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

Other applications:

Ecobeton technical service is available to answer any question you may have.

Email: europe@ecobeton.it

Coverage rate

The coverage rate may vary. Here there are only approximations. The real coverage rate depends on the conditions of the support and on the porosity of the surface.

Coverage rate per package	15 m ² in two coats on smooth surface (ca. 1,5 kg/m ²)
Curing	Pedestrian traffic is allowed after 72 hours in normal moisture and temperature condition. Complete curing requires 28 days
Storage	6 months if stored in a dry place
Packaging	25 kg bucket

Warnings

Ecobeton products can be applied when surface temperature is above 5 °C and air temperature between 10 and 40 °C. Do not expose the material to frost.

Do not apply **Ercole®** with temperature lower than 10 °C. Do not apply if rainfall is forecasted in the following 24 hours.

Note:


The information contained in this sheet is accurate to the best of our current knowledge. The products are of the highest quality and standard with regard to production 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

 <p>Ecobeton Italy Srl Via Galileo Galilei 47, 36030 Costabissara (VI) 08 Certificato n° GB08/76012 DOP n° 130207DOP-1504-2</p>	
<p>EN 1504-2 Ercole® - Bond Kote® Superficial protection Overlay</p>	
<p>EN 13813 EN 1062-6 EN 7783-2 EN 1062-3</p>	<p>Abrasion resistance: class A12 Permeability to CO₂: Sd > 50 m Permeability to water vapour: 575 gm²/d Capillary absorption and water permeability: w < 0,1 kg/m² x h^{0,5} Chemical attack resistance: resistant to acids Impact resistance: none superficial damages Proof of adhesion for direct drive: AB Fire resistance: Euroclass A1 Dangerous substances: absent</p>

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.

 <p>Ecobeton Italy Srl Via Galileo Galilei 47, 36030 Costabissara (VI) 08 Certificato n° GB08/76012 DOP n° 130207DOP-1504-3</p>	
<p>EN 1504-3 Ercole® - Bond Kote® Concrete repair product for structural repair PCC mortar</p>	
<p>EN 12190 EN 1015-17 EN 1542 EN 13412 EN 13687-1 EN 13036-4 EN 13057</p>	<p>Compression resistance: > 25 MPa Content of chloride ions: < 0,05% Adherence: ≥ 1,5 MPa Elastic modulus: ≥ 15 GPa Thermic compatibility (freeze-thaw): ≥ 1,5 MPa Slipping resistance: Class III Capillary absorption: w ≤ 0,5 kg/m² x h^{0,5} Chemical resistance: acids test resistant Fire resistance: Euroclass A1 Dangerous substances: comply with 5.4</p>

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

ecobeton

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

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