

Strutturale

MORTAR FOR RESTORATION AND RESURFACING



FOR PROFESSIONAL USE ONLY - REVISION DATE: 30 JANUARY 2018

Strutturale is a cementitious mortar applied for any purpose of concrete restoration and resurfacing. Strutturale is made of two components: Part A is a premixed powder, Part B is a bonding agent which bonds the mixture to any concrete surface. Strutturale repairs damaged or deteriorated concrete in low thickness and avoids the demolition.

Properties

Strutturale is suitable for restoration and resurfacing of deteriorated concrete.

- is ready to be use after mixing the two components.
- has an extraordinary resistance to cycles of freezing and thawing, and to attack by chlorides, sulphates and thawing salts.
- is easy to apply.
- is used for interior and exterior applications.
- recovers the concrete.
- is resistant to the abrasion.
- is applied from 0,5 cm to 5 cm thickness.
- is an excellent base for further overlays.
- has an high adhesion to any base underneath.
- is weather resistant.
- is non-toxic and enviromentally friendly.

Uses


Strutturale is a versatile product, easy to use, for both residential and industrial infrastructures.

- Floor levelling.
- Patching, repairing and restoring the concrete.
- Concrete restoring in vertical and horizontal line.
- Repeating cracks.
- Floor restoring.
- Pedestrian and driveways surfaces.
- Parks, garages, entrances and storehouses.
- Skateboard track, bridges, sidewalks, highways.
- Landing tracks, brickworks, decorative concrete.
- Anti-slip surfaces.
- Masonry and decorative concrete (colored or stamped).
- Platforms and loading ramps.
- For helicopter runways.
- Warehouse and industrial plants.

Performance

Class according to (EN 1504-3)
Type

R3
PCC

 <div>Ecobeton Italy Srl Via Galileo Galilei 47, 36030 Costabissara (VI) 16 Certificato n° GB08/76012 DOP n° 150910DOP-1504-3</div>	
EN 1504-3 Strutturale Concrete repair product for structural repair PCC mortar	
EN 12190 EN 1015-17 EN 1542 EN 13687-1 EN 13057	Compressive strength: ≥ 25 MPa Chloride ion content: $< 0,05$ % Adhesive Bond: $\geq 1,5$ MPa Thermal Compatibility (freeze-thaw): $\geq 1,5$ MPa Capillary Absorption: $w < 0,5 \text{ kg/m}^2 \cdot \text{h}^{0,5}$ Reaction to fire: A1 Dangerous substances: None

Technical data indicated above are obtained mixing 25kg of Bond-Kote® Strutturale Part A and 5kg of Bond-Kote® Strutturale Part B. Declaration of performance (DoP) available on the website www.ecobeton.com.

Mixing and application

Strutturale Part A (premixed powder) is mixed with **Strutturale** Part B (liquid bonding agent).

Mixing:

Grab an empty and clean bucket. Shake well **Strutturale** Part B and pour it into the bucket. Slowly add **Strutturale** Part A contained into the 25kg paper bag and mix with a drill mixer for at least 3 minutes till it is reached the desired consistency.

Let the material rest for about 5 minutes to allow the hydration.

For large quantities it is recommended to use a cement mixer.

For a fluid mixture, mix all the liquid (Part B) with the pre-mixed powder (Part A). Small volume of water (up to 1 liter for 1 package) can be add to the mixture.

In case of vertical or ceiling repairs it is recommended to reduce the amount of bonding liquid (Part B).

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Application:

The concrete support must be solid, clean and free of loosing parts. Use Evercrete Vetrofluid® if consolidation is required. Wet the surface before applying, avoiding puddle of water. Apply **Strutturale** with squeegee or trowel.

The surface repaired with **Strutturale** can be coated with Ecobeton Ercole® or other types of overlays.

Other applications:

Contact Ecobeton tech department e-mail: europe@ecobeton.it to get details in case of particular applications.

Yield

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	18 kg/m2 (per cm of thickness)
Curing	At least 72 hours Complete curing requires 28 days
Storage	6 months if stored in a dry place
Packaging	25 Kg Paper bag - Part A 5 Kg Bucket - Part B
Colour (Part A)	Available in grey.

Warnings

Do not apply **Strutturale** with temperatures lower than 10 °C. Do not apply if rain is forecasted within 24 hours from the application. Avoid the frost during the curing phase.

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:

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

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