

# Poseidone

## CEMENTITIOUS OVERLAY FOR SWIMMING POOLS



FOR PROFESSIONAL USE ONLY - REVISION DATE: JANUARY 2020

**Poseidone is a premixed single-component cementitious overlay, ready to use and designed for use as a low-thickness decorative coating for swimming pools, tanks and wet areas.**

## Properties

- Single-component ready to use, to be mixed with water.
- Easy to apply.
- Applicable in thicknesses from 4 mm to 10 mm.
- Excellent adhesion to the support.
- Abrasion resistant.
- Resistant to chemical aggression.
- Excellent resistance to freeze and thaw cycles.
- Waterproof.

## Uses

- Coating for concrete swimming pools
- For use in walls and pool floor
- For use in saunas and wet areas

## Application

View the safety data sheet available on the website [www.ecobeton.com](http://www.ecobeton.com).

The low thickness cementitious overlays need mild temperature and - possibly - uniform sunlight to complete the curing. We recommend applying the product only when the environmental temperature is above 10 °C. Do not apply if rainfall is due in the following 24 hours.

### Support preparation:

The support must be structurally sound and intact. Before proceeding with the application of the product, it is necessary to remove any existing coatings, sealant or curing agent to ensure maximum adhesion. Perform any structural repair as well as repairing of cracks and fissures before applying the overlay. Treat and waterproof concrete support with **Evercrete Vetrofluid®** (see the related technical datasheet).

### Product mixing:

Mix Poseidone with clean water (5-6 litres per bucket) up to the desired workability using a slow speed mixer, taking care not to incorporate the air during the mixing procedure.

Poseidone is available in white. Still, any colour may be obtained by adding Ecobeton dyes for cementitious products to the mixture (for more information contact the Ecobeton technical service).

Before proceeding with the application of the cementitious

overlay, let the mix rest for 5 minutes.

### Application:

Moist the support before application. It is possible to apply Poseidone in a single coat or two coats. It is also possible to apply the second coat on top of the first one directly without waiting for the complete set of the first one. We recommend the interposition of an alkali-resistant fibreglass mesh between the two coats and to reach the recommended thickness (minimum 4 mm). The final surface must be uniform in texture and appearance.

### Coating protection:

Poseidon does not require a sealant; however, to improve the durability of the coating and help the cleaning process by avoiding spots and stains, it is possible to use one of the Ecobeton sealers.

## 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 | Typical yield 8-10 kg / m <sup>2</sup> in two coats on smooth or undamaged surfaces (approx. 4-5mm thick)                   |
| Curing        | Complete resistance develops after 28 days. It is recommended not to fill the pool before 4 weeks from the end of the work. |
| Storage       | 6 months if stored in a dry place   |
| Packaging     | 25 kg bucket  |

## Warnings

Ecobeton products must be applied when the surface temperature is above +5 °C, air temperature not below +10 °C and not exceeding +40 °C. It is recommended not to apply the product if precipitation is forecasted within the next 24 hours. Do not expose the material to frost.

### 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.



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### EN 1504-3 Poseidone

Concrete repair product for structural repair PCC mortar

|            |   |
|------------|---|
| EN 12190   | Compression resistance: > 25 MPa  |
| EN 1015-17 | Content of chloride ions: < 0,05%                                       |
| EN 1542    | Adherence: ≥ 1,5 MPa  |
| EN 13412   | Elastic modulus: ≥ 15 GPa   |
| EN 13687-1 | Thermic compatibility (freeze-thaw): ≥ 1,5 MPa                          |
| EN 13036-4 | Slipping resistance: Class III  |
| EN 13057   | Capillary absorption: $w \leq 0,5 \text{ kg/m}^2 \times \text{h}^{0,5}$ |
|            | Chemical resistance: acids test resistant                               |
|            | Fire resistance: Euroclass A1   |
|            | Dangerous substances: comply with 5.4                                   |

Declaration of Performance (DoP) available on the website [www.ecobeton.com](http://www.ecobeton.com).

For more details visit website:

[www.ecobeton.com](http://www.ecobeton.com)

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

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