Poseidone

CEMENTITIOUS OVERLAY FOR SWIMMING POOLS

CE 0094

FOR PROFESSIONAL USE ONLY - REVISION DATE: JUNE 2025

Poseidone is a premixed single-component white cementitious overlay, ready to use and designed for use as a low-thickness decorative coating that can also be coloured.
Poseidone allows both new projects and renovation of surfaces designed for direct contact with water such as swimming pools, fountains, bathtubs and steam baths, to be enhanced with a modern and attractive appearance.

Properties

- Ready-to-use single-component, to be mixed with water.
- Easy to apply by trowel.
- Applicable in thicknesses from 4 mm to 10 mm.
- High adhesion to the substrate.
- Plaster decorative effect.
- Resistant to water and weathering.
- Resistant to freeze and thaw cycles.
- Waterproof.
- Can be coloured with Ecobeton inorganic dyes.

Uses

- Coating for concrete swimming pools.
- Coating for fountains.
- Coating for saunas, steam baths and wet areas.

Application

It is recommended to view the guidelines "Swimming pools overlay with Poseidone" available on the website wiki.ecobeton.it

The low thickness cementitious overlays need mild temperature and - possibly - uniform sunlight to complete the curing.

Substrate preparation:

The support must be structurally sound and free from loosing parts. 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 reparation as well as repairing of cracks and fissures before applying the overlay. It is suggested to treat and waterproof the concrete with Evercrete Vetrofluid® (see the related technical datasheet).

Product mixing:

Mix Poseidone with clean water (4,5-5,5 litres per bag). In a clean bucket pour three quarters of the water then add the powder a little at a time, mixing at the same time with a suitable mixing drill at low speed. Once all the powder has been added, pour in the remaining water and continue mixing until a homogeneous, lump-free mixture is obtained, taking care to remove any loose material from the walls and bottom.

Poseidone is available in white, but any colour can be obtained by adding Ecobeton inorganic dyes during mixing process (for more information contact the Ecobeton technical service).

Application:

Slightly moist the substrate before application. The final thickness of the coating should be at least 4mm. It is possible to apply Poseidone in two or more coats using a notched trowel and/or an american trowel. It is also possible to apply the second coat on top of the first one with the fresh on fresh technique till reaching the desired thickness. It is useful to use an alkali-resistant fibreglass mesh between the two coats in order to adjust the coating thickness. The final surface must be uniform in texture and appearance.

Coating protection:

Poseidone can be left exposed, however, it is recommended to treat with GiGi Sealer finish to increase the durability of the coating and facilitate surface cleaning. The most effective protection is by two coats of GiGi Sealer.

Maintenance and preservation:

For the correct maintenance and preservation of the coating, please refer to the instructions in the the guidelines "Swimming pools overlay with Poseidone" available on the website wiki.ecobeton.it

Coverage rate

The coverage rate may vary depending on the conditions of the support and on the porosity of the surface.

Coverage rate	Typical yield 6,5-7 kg / m^2 in two coats on smooth or undamaged surfaces (approx. 4,5-5 mm thick). approx. 1,5 kg/m^2/mm
Max grain size	approx. 0,9 mm
Curing	Complete mechanical resistance is reached in 28 days. It is recommended to wait at least 15 days after completion of the work before filling the pool.
Storage	6 months if stored in a dry place
Packaging	25 kg bag

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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 1504-2
Poseidone
Surface protection product - coating
ZA.1e - 2.2 - 8.2

EN 7783-1	Permeability to water vapour: Class I
EN 1062-3	Capillary absorption and permeability to water: $w \leq 0,1\ kg/m^2 \times h^{0,5}$
EN 1542	Adhesion strenght by pull off test: ≥0,8 MPa
EN 13501-1	Reaction to fire: A2
	Dangerous substances: check MSDS

Declaration of Performance (DoP) available on the website www.ecobeton.com.

For more details visit website:
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