

Cicocoat®Seal

Powerful Sealing Waterproofing Cementitious Coating

DESCRIPTION

Cicocoat®Seal is a one component cementitious waterproof coating. It has powerful waterproofing agents that help seal the coated substrates tightly along with the high adhesion power with them. Cicocoat®Seal is used to seal concrete, cementitious plasters, bricks, and masonry substrates. Cicocoat®Seal is non-toxic; so, it's preferable to use it in potable water projects. Cicocoat®Seal has high bonding strength with concrete and other substrates as it is considered a cementitious waterproofing material, it has the same characteristics as concrete, that obtains durability.

USES

- Drinking water reservoirs.
- Swimming pools.
- Basements, tunnels, and culverts.
- Bridges and facades.
- Coastal structures waterproofing.
- Heavy rain and washing areas like balconies, terraces, and roofs waterproofing.
- Sea retaining walls.
- External and internal use.

ADVANTAGES

- Positive and negative waterproofing.
- Obtains high durability for structures.
- Non-toxic, suitable for contact with potable water.
- Doesn't need water curing after application.
- UV stable
- Minimizes carbonation and chloride attack on steel reinforcement.
- Easy to apply, by brush, or roller.
- Minimizes chemical attack over concrete.
- Can be used as a decorative texture for exposed concrete structures like bridges.

- No primer needed.
- High adhesion to concrete.

STANDARD COMPLIANCE

Cicocoat®Seal has been tested to ASTM C109, ASTM C267 & ASTM C348.

PACKAGING

25 kg bags

SHELF & STORAGE

12 months storage life if stored in its original unopened containers under a dry and shaded place in a temperature from 2°C to 55°C.

TECHNICAL PROPERTIES

Form	Grey Powder
Wet Density @ 25°C (ASTM D1475)	1.9±0.05 kg/ltr
Pot life @ 25°C	30±10 min.
Touch Dry @ 25°C	60±5 min.
Overcoating @ 25°C	6 hrs.±15 min.
Toxicity	Non-Toxic
Compressive strength @28 days (ASTM C109)	42±0.5 N/mm ²
Flexural Strength @28 days (ASTM C580)	8.5±0.5 N/mm ²
Bonding Strength @28 days (ASTM C882)	≥1.5 N/mm ²
Recommended no. of coats	2 coats
Chloride ion diffusion coefficient	1.05x10 ⁻⁷ cm ² /s
Carbonation resistance depth of penetration (@28 days)	1 mm max.
Coverage	17.25 m ² /bag @ 1 mm thick

APPLICATION INSTRUCTIONS

Surface Preparation

Concrete, cement mortar and other surfaces must be sound, clean, and free from grease, oil, cement laitance, and all other loosely adhering particles. The surface should be free from all treatment agents such as curing or release materials. All surfaces must be as true and flat as possible. A carefully prepared substrate is of most importance, especially in continuously immersed structures. Saturate all concrete and other surfaces thoroughly. The surface should be in saturated surface dry condition (SSD) prior to the application.

Mixing

Put Cicocoat®Seal powder into a suitable container and add 8 liters of clean water while mixing with a low speed drill type mixer and a suitable spiral mixing paddle. Mix for at least one minute, until a homogenous mixture, free from lumps been formed. Do not mix more material, than the application team can apply within the pot life. Do not add more water after finishing mixing and during application under any circumstances.

Application

Apply Cicocoat®Seal using a brush, or roller. A minimum of 1 mm thickness is recommended but the thickness can be increased as required. Apply a minimum of two coats at right angles waiting for not less than 6 hours in between them.

Curing

Cicocoat®Seal doesn't need any curing after coating.

Cleaning

Tools freshly contaminated with Cicocoat®Seal can be cleaned using water. Hardened material can be removed by mechanical means.

Precautions

Health And Safety

Cicocoat®Seal is an alkaline, non-hazardous. It should not be swallowed or allowed to come into contact with skin or eyes. Suitable protective goggles and gloves should be worn. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. When contact with the skin is made, wash off immediately with soap and water. If swallowed, seek medical attention immediately, do not induce vomiting.

Technical Support

CIC provides on-site assistance and consulting services on projects when requested. Technical data sheets on other CIC products and guidance on their use are available on request.

Warranty

CIC products are guaranteed against defective materials and manufacture and sold subject to CIC's standard terms and conditions of sale. Whilst CIC endeavors to ensure that any advice, information or recommendation given is correct, the company cannot accept any liability either directly or indirectly arising from the use of its products. User of the product must test the product's suitability for the intended application and purpose, since the company has no control over the application of its products. Information contained in this document is given on the best current knowledge. Our Products are in continuous development and CIC reserves the right to change the product without prior notice.

