

Cicocoat®WEP

Waterborne Epoxy Waterproofing Coating & Sealer

DESCRIPTION

Cicocoat®WEP is a two component, waterborne epoxy waterproofing coating system specially formulated to suit the damp and green concrete. It can be used as a body coat, finish coat, or sealer for other epoxy waterproofing systems. Cicocoat®WEP is self priming if it is used as an independent epoxy system.

USES

- Water structures waterproofing.
- Negative pressure waterproofing for damp surfaces.
- Drinking water, chemical, and food industries tanks and reservoirs.
- Body coat for other resin base epoxy/PU waterproofing systems.
- Vertical and horizontal applications.

ADVANTAGES

- Supports green building trend.
- Waterborne epoxy system.
- Non-toxic.
- Applicable for damp and green concrete.
- Good abrasion & slip resistant surface.
- Environment friendly.
- Anti-carbonation and stops chloride ion diffusion.
- Excellent and fast water and moisture barrier.
- Doesn't require dry or old concrete.
- Self priming.
- Waterproof.
- High bonding to concrete.
- Long pot life, Suitable for hot climates.

PACKAGING

6, 20, 26 kg set

SHELF & STORAGE

9 months storage life if stored in its original unopened containers under a dry and shaded place in a temperature from 5°C to 35°C.

TECHNICAL PROPERTIES

Form	Liquid
Solid content by weight	68±1%
Mixed Density @ 25°C (ASTM D1475)	1.3±0.02 kg/ltr
Pot life @ 25°C	90±5 min.
Touch Dry @ 25°C	6 hrs.±20 min.
Overcoating @ 25°C	12-36 hrs.
Full cure time @ 25°C (ASTM D1640)	7 days
Adhesion to concrete (ASTM D7234)	≥2.5 MPa
	~3.5 m²/kg/coat @
Coverage	150 micron DFT (recommended 2 coats)

Application Instructions

Surface Preparation

Cicocoat®EP is applied on sound, clean, and dry substrates to achieve maximum adhesion between Cicocoat®EP and the substrate. Concrete floors should have a compressive strength of not less than 25 Mpa. Laitance, oil, grease, or any fatty contamination should be removed using either Cicosurface®Degreaser, sandblasting, or steam cleaning. Any cracks, grooves, and holes should be filled first with Cicofloor®Putty WEP system. Dry concrete should be wetted before application.

Priming

Cicocoat®WEP is a self priming product, i.e. it doesn't need a separate primer.

Mixing

Stir the base separately. The entire contents of the smaller can (hardener) can be poured into the base container and the materials should be mixed for at least one minute by mechanical mixer using a slow or medium speed mixing drill. Insufficient mixing may lead to color variation.

Application

Coating & Sealer Application

Transfer the mixed material into a suitable container for application. Apply the material using a short pile roller to the required film thickness. It's recommended to achieve two coats within 24 hours to have the best results.

LIMITATION

Don't apply Cicocoat®WEP if:

- The temperature of the surface is below 5°C or over 40°C.
- The concrete is totally dry.

CLEANING

Clean all tools and application equipment with water immediately after use. Hardened and cured material can only be removed mechanically.

PRECAUTIONS

Health And Safety

Cicocoat®WEP 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, as well as 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.

