

# CIKOproof 2K



## Flexible cementitious waterproof coating

### Description

CIKOproof 2K is acrylic modified cement based waterproof coating for horizontal and vertical applications on concrete, mortar and clay / cement block masonry surface.

CIKOproof 2K is a two-component waterproofing system consisting of Part-A which is a blend of select cement type, graded fine aggregates, dispersing agent etc. and Part-B, which is an aqueous dispersion of adhesion enhancing polymer in the form of liquid component. CIKOproof 2K penetrates into the pores of the substrate and seals it to provide a flexible and elastomeric waterproof membrane upon curing.

### Properties & Advantages

- Two component system.
- Easy to mix and use.
- Allow the substrate to breath
- Non-flammable and Nontoxic.
- Low VOC
- Flexible and elastomeric waterproof membrane with high elongation.
- Excellent bond strength.
- High crack bridging ability.
- Capable to withstand positive and negative hypostatic pressure
- Resistant to puncture

### Application Area & Uses

CIKOproof 2K is a high quality cementitious waterproof membrane coating that can be used for interior or exterior applications.

- Masonry wall, concrete and plaster surface.
- Water retaining structure such as tank retaining wall and water barriers.
- Basements and pits.
- Wet area waterproofing.
- Roof and terrace waterproofing.

### Physical properties

Form	Two component system Part-A: Powder Part-B: Liquid
Colour	Grey or white
Pot life @ 25°C	45 – 60 minutes
Mixed Density	1.65 ± 0.05
VOC (EN ISO 11890-2)	< 25g/L
Pull off Strength ASTM D 4541-9 @ 7 days	≥ 1.5 N/mm <sup>2</sup>
Water penetration BS EN 12390, Part 8	Nil
Reduction in Chloride ion Penetration	>90%

### Coverage

30kg Kit of CIKOproof 2K yields to 18 litres and provide coverage of 17-18 m<sup>2</sup> at 1 mm thickness.

Note: Coverage rate may vary depending on substrate condition and type.

Required total dry film thickness applied in two coats ranges from minimum 1 mm up to 3mm depending on intended to use location and service life. Consult CIKO technical service department for further support

### Application Instructions

#### Surface preparation

The concrete or cement substrate shall be free from all loosely adhered particles, efflorescence, dust, oil, grease or any other contamination. In case of oil spillage, proper treatment should be carried out on the surface. After ensuring sound substrate, dampen the surface with water just before the application of CIKOproof 2K.

Wherever cracks, voids, honeycombs, etc. are presents, the surface must be repaired using CIKO wide variety of repairs materials.

Note: at right angles, pipe penetrations, drainages, it is recommended to embed a fibre mesh sandwich between the coatings.

### Mixing

Liquid component of CIKOprouf 2K [Part-B] should be mixed with powder component [Part-A] using heavy-duty high-speed drill-paddle assembly. The properly mixed material should be lump free and paint consistency.

### Application method

The mixed material should apply on the cleaned and damped surface using brush, roller or steel trowel. Care should be taken to coat the surface without leaving any gap. CIKOprouf 2K can be applied by spray using suitable spray equipment. The second coat must be applied in cross direction to the first coat.

### Precautions & Recommendations

- Do not apply over standing water.
- Do not proceed with application if the ambient temperature is below 8 °C and above 40 °C.
- Re-Mixing every 15-20 minutes within the 60 minutes pot life is advisable.
- It is recommended to apply CIKObond PVA as a sealer on lightweight blocks, gypsum and dry substrates having high porosity.
- Allow the material to cure for at least 4 days prior to conduct the water leakage test for duration of 24 hours up to 48 hours.

### Packaging

CIKOprouf 2K is available in 30 kg kit consisting of Part A [Powder] and Part B [Liquid].

### Shelf life

CIKOprouf 2K has a shelf life of 12 months in unopened bags and if stored in accordance with CIKO instructions.

### Storage

CIKOprouf 2K should be stored under enclosed shaded area at temperature between 5°C – 40°C.

### Health & safety

Use standard dust mask to avoid inhalation of dust. Powder when wet or moist can cause burns to skin and eyes which should be protected during use. If comes in contact with eyes, flush with plenty of fresh water and seek medical advice.

Refer Material Safety Data Sheet for further details.

### Technical Support

For further technical support, do not hesitate to contact CIKO team at any time as CIKO offers on and off-site services to end users, specifier and contractors.

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- Concrete admixtures and additives
- Waterproof and Damp-proof coatings
- Surface Treatments
- Walls, Flooring and Toppings
- Grouts and anchors
- Tile Adhesives and Grouts
- Concrete Repair Materials
- Adhesives and Bonding Agents
- Protective Coatings & Sealers
- Joint Sealants and Moulding compounds
- Sports Flooring
- Plastering Mortars
- Paints

### Legal Notice and Warranty

CIKO warrants this product to be free from manufacturing defects and to meet the technical properties stated in the current Technical Data Sheet, if used as directed within its shelf life. Satisfactory results depend not only on quality of product but also on many factors beyond our control. CIKO makes no other warranty or guarantee, express or implied, including warranties of merchantability or fitness for a particular purpose with respect to its product. The sole and exclusive remedy of purchaser for any claim concerning this product, including but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is the replacement of product or refund of the purchase price, at the sole option of CIKO. Any claims concerning this product must be received in writing within one (1) year from the date of shipment and any claims not presented within that period are waived by purchaser. CIKO will not be responsible for any special incidental, consequential including lost profits or punitive damages of any kind. Purchaser must determine the suitability of the products for the intended use and assumes all risks and liabilities in connection therewith. This information and all further technical advice are based on CIKO's present knowledge and experience. However, CIKO assumes no liability for providing such information and advice including the extent to which such information and advice may relate to existing third party intellectual property rights, especially patent rights, nor shall any legal relationship be created by or arise from the provision of such information and advice. CIKO reserves the right to make any changes according to technological progress or further developments. The Purchaser of the Product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with a full application of the product(s). Performance of the product described herein should be verified by testing and carried out by qualified expert.

TDS/WP24 Rev.: 8 Issue: C

All CIKO products are manufactured under a strict management system conforming to and in compliance with requirements of international standards of Quality, Environmental, occupational Health and Safety ISO 9001, ISO14001 and ISO45001.