

CIKOpoxy Prim14



Solvent Free Epoxy Resin based primer

Description

CIKOpoxy Prim14 is a solvent free two component epoxy resin based primer recommended for concrete and masonry substrate. It provides excellent adhesion to substrate like concrete, wood, screed, natural stones and other porous substrates.

CIKOpoxy Prim14 is a low viscosity preconditioning primer which stabilizes the concrete substrate and isolates subsequent coating from the alkalinity of the concrete which assists the degradation of top coats.

Advantages & Properties

- Two component epoxy-based system.
- Provides excellent adhesion to many substrates.
- Exhibits good impact and abrasion resistance.
- Provides extremely good bonding to top coats.
- Exhibits very good sealing properties.
- Low VOC

Application Area & Uses

- As a primer and sealing coat for the range of CIKO floor coatings and topping systems.
- Can be mixed with suitable fillers to repair patches.
- Silica aggregate CIKO ASG can be broadcasted over wet coat to create a mechanical key for anti-slip floor coating.

Physical properties @ 25 °C

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| Form | Two components system Part A & B : Liquid |
| Colour | Light yellow to pale brownish |
| Finish | Glossy |
| Flash Point | Above 60 °C |
| Pot life | 40-60 minutes |
| Tack free | 8 hours |
| Over coating time | 12 to 24 hours |
| Pull off Bond strength to concrete ASTM D7234 @ 7 days | ≥2 MPa (Concrete Failure) |

Coverage

CIKOpoxy Prim 14 will provide a theoretical coverage of 5.0 m² per litre at 200 microns dry film thickness.

Note: The coverage depends on the floor condition and finish. It is recommended to apply CIKOpoxy Prim 14 at thicknesses of minimum 100 microns DFT up to 300 microns DFT. Consult CIKO technical service department for assistance and further support.

Application instructions

Surface preparation

The concrete surface should be free from dust and loose particles. All contamination such as oil, grease and extraneous spillages has to be cleaned using the suitable cleaning agent. Concrete shall be grinded using rough diamond disk, grit blasted or treated with equivalent and suitable mechanical means prior to the application of the primer. All contamination should be treated well before application of CIKOpoxy Prim14.

Mixing

The base [Part-A] and hardener [Part-B] components of CIKOpoxy Prim14 should be mixed thoroughly using a heavy duty, slow speed drill paddle assembly for minimum three minutes and ensure a homogenous mixture is obtained.

Application

Properly mixed material should be applied using brush or high quality epoxy roller over the dry and clean surface at the rate of 0.1 L/m² up to 0.3 L/m².

For anti-slip floor, CIKO ASG should be lightly and uniformly broadcasted over the wet coat. The coated surface should be left for 12 – 24 hours curing, depending on the prevailing ambient conditions and prior application of further coats.

Precautions

Prior application of primer, ensure that

- Moisture content of the substrate is less than 4%.
- Ambient temperature is between 10 – 45 °C.
- Substrate temperature is between 10 – 35 °C and at least 3°C above dew point temperature.
- Relative humidity is below 75%.

Packaging

CIKOpoxy Prim14 is available in 4.0 litre and 15.0 litre kits consisting of Part-A & B.

Storage

CIKOpoxy Prim14 should be stored under enclosed shaded area at temperatures between 5 – 35°C.

Shelf life

CIKOpoxy Prim14 has a shelf life of 12 months if stored in accordance with CIKO instructions.

Health & safety

CIKOpoxy Prim14 should not come in contact with eyes or be swallowed. Ensure adequate ventilation and avoid inhalation of vapours. Applicator should wear appropriate clothes, gloves and goggles. Use of barrier cream is recommended to provide additional skin protection. If comes in contact with eyes, flush with plenty of fresh water and seek medical advice. Refer Material Safety Data Sheet for further details.

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.

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.

More from CIKO Middle East

A wide range of construction chemical products are manufactured by CIKO Middle East which includes:

- 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

TDS/FT26 Rev.: 3 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.