

CIKOcure AC



Polymer based concrete curing and sealing compound

Description

CIKOcure AC is a polymer modified water based concrete curing and sealing compound. It provides a stain free and flawless sealing properties to prevent loss of water from the concrete to attain proper hydration of cement.

CIKOcure AC is a blend of special grade of polymer dispersed in water along with other additives in perfect proportions to attain all the properties required for an ideal concrete curing compound.

Properties

- Single component system and easy to apply.
- Non-flammable and non-toxic.
- Forms stable film on the surface to provide excellent curing and sealing properties.
- Non-staining.
- Considerable reduction in loss of water from concrete.
- Cured film acts as primer between concrete surface and coating material.

Application Areas

CIKOcure AC is a high-quality curing and sealing compound and can be used for interior or exterior applications.

- Suitable for all kinds of concrete.
- Horizontal and vertical applications.

Applicable standards

- Clear upon drying: complies with ASTM C309 Type1.
- CIKOcure AC complies with Qatar Construction Specifications QCS.

Physical properties

Form	Liquid
Colour	White
VOC	<20 g/l
Specific gravity	1.0 ± 0.05 @ 25°C
Curing efficiency ASTM C156	Water loss <0.5 kg/m ²
Toxicity	Non – Toxic
Drying time	< 4 hours

Coverage / Yield

Each litre of CIKOcure AC provides coverage of 6.0 to 8.0 m².

Application instructions

Surface preparation

CIKOcure AC is applied on wet concrete as soon as the concrete is free from bleeding water or surface water. Care should be taken to avoid application on concrete surface having free standing water.

Mixing

CIKOcure AC is a ready to use material. It should be stirred well before use.

Application method

CIKOcure AC may be applied by fine brush, roller although it is preferable to apply by spray machine such as knapsack sprayer or motorized sprayers to produce fine mist without damaging the emulsion.

Application of CIKOcure AC should commence immediately after de-moulding the form-work while the concrete surface is in the harden state and not dry to ensure film formation and prevent absorption by the concrete. Absorption may lead to staining and difficulty to remove.

While spraying CIKOcure AC, maintain a distance from the nozzle to the concrete surface approximately 300 to 400 mm and pass in both directions to ensure complete coverage.

Subsequent Finishes

The resin used in CIKOcure AC allows direct application of many floor coverings and paint systems, as given typically below:

- Primer for Water based emulsion paints containing PVA, PVC, acrylic copolymers, etc.
- Bituminous emulsions and solutions.
- Thin section polymer modified cement systems.
- Modified and unmodified cementitious mortar
- Water and solvent based acrylic coatings.

N.B: compatibility with after trade coating should always be checked for adhesion prior to proceeding.

Packaging

CIKOcure AC is available in 20 litre pail and 210 litre drum.

Shelf life

CIKOcure AC has a shelf life of 12 months in un-opened packs and if stored in accordance with CIKO instructions.

Storage

CIKOcure AC should be stored under enclosed shaded area at temperatures between 5°C and 35°C.

Health & safety

CIKOcure AC 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.

Technical Support

For any 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

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.

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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.