

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 area

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	<20g/l
Curing Efficiency ASTM C 309	>75%
Moisture Retention ASTM C156	Water loss <0.55 kg/m ²
Specific gravity	1.01±0.005 @ 25°C
Toxicity	Non – Toxic
Drying time	<4 hours

Coverage

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 direction 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
- Epoxy resin and polyurethane coatings which do not rely on penetration for substrate bond
- 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 pails and 210 litre drums.

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 – 35⁰C.

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 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
- Waterproofing and damp proof coatings
- Surface treatments
- Flooring and toppings
- Grouts and anchors
- Tile adhesives and grout
- Concrete repair materials
- Adhesives and bonding agent
- Protective coating
- Joint Sealants and Moulding compounds
- Ancillaries

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