

CIKOcure AC1315

Polymer based concrete curing and sealing compound

Description

CIKOcure AC1315 is a polymer based concrete eco-friendly 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 AC1315 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.
- Eco friendly low Volatile organic compound
- Cost reduction as it can be over coated with epoxy, polyurethane, water based and solvent based coatings.
- Non flammable and non-toxic.
- Forms stable film on the surface to provide excellent curing and sealing properties.
- Cured film acts as primer between concrete surface and coating material.
- Non-staining.
- UV resistance
- Chemical resistance
- Abrasion resistance
- Considerable reduction in loss of water from concrete.

Application area

CIKOcure AC1315 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

- Complies to ASTM C1315 Type 1 Class A
- Complies with Qatar Construction Specifications QCS.

Physical properties

Form	Liquid
Colour	White
VOC	<40g/l
Solid content	27% ± 1
Moisture retention ASTM C156	Water loss <40kg/m ²
Adhesion of Tile Cements	>1MPa
Specific gravity	1.02±0.005 @ 25 ^o C
Toxicity	Non – Toxic
Drying time	Within 1 hour

Chemical resistance

CIKOcure AC1315 is resistant to a wide range of chemicals. Specific data is available on request. Resistance to spillage includes,

- Diluted acids
 - Lactic Acid 20%
 - Sulphuric acid 25%
 - Hydrochloric acid 10%
 - Acetic acid 20%
 - Nitric Acid 5%
- Diluted alkalis
 - Sodium hydroxide 10%
 - Magnesium sulphate 25%
 - Zinc sulphate 25%
 - Copper sulphate 25%
 - Alkaline detergent solution
- Ethylene Glycol 40%
- High Sulphate Water
- Ground Water
- Sea Water
- Tap Water
- Dairy/Food products

Coverage

Each litre of CIKOcure AC1315 provides coverage of 6.0 to 8.0 m².

Application instructions

Mixing

CIKOcure AC1315 is a ready to use material. It should be stirred well before use.

Application method

CIKOcure AC1315 may be applied uniformly by brush, roller or spray in a continuous film upon forms/shutter removal.

Care should be taken to avoid application on concrete surface having free standing water.

On vertical surface it can be applied by roller or brush directly after removal of forms/shutters.

The spray equipment must be capable to generate a fine mist causing no damage to wet concrete surface.

Knapsack sprayer is preferable to be used for CIKOcure AC1315.

Subsequent Finishes

The resin used in CIKOcure AC1315 allows direct application of many floor coverings and paint systems, as given typically below:

- 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

Packaging

CIKOcure AC1315 is available in 20litre pails and 210 litre drums.

Shelf life

CIKOcure AC1315 has a shelf life of 12 months in un- opened packs and if stored in accordance with CIKO instructions.

Storage

CIKOcure AC1315 should be stored under enclosed shaded area at temperatures between 5 – 35⁰C.

Health & safety

CIKOcure AC1315 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

TDS/ST18 Rev.:3 Issue:C

Disclaimer: The information presented herein based on the best of our knowledge and expertise for which every effort is made to ensure its reliability. Although all the products are subjected to rigid quality tests and are guaranteed against defective materials and manufacture, no specific guarantee can be extended because results depend not only on quality but also on other factors beyond our control

