

CIKOcure R90

(Previously Known as CIKOcure Resin)

Resin based concrete curing and sealing compound

Description

CIKOcure R90 is a single component resin based concrete curing compound that traps the moisture within the concrete to attain proper hydration of cement without any further application of water for curing.

CIKOcure R90 is a single component low viscosity resinous liquid that forms a film over applied surface and enable cement particle to hydrate better by trapping substantial water. The resinous film reduces the formation of shrinkage cracks on the surface.

Properties

- Single component system and easy to apply.
- Forms resinous film over the surface that provides effective curing.
- Non-staining.
- Considerable reduction in loss of water from concrete.
- Compatible with several types of coatings.
- Good abrasion resistance.

Application area

CIKOcure R90 is a high quality curing and sealing compound that can be used for interior or exterior applications.

- Suitable for all kinds of concrete.
- All types of cement based applications either horizontal or vertical.
- High rising construction where water curing is not applicable.
- Plasters, concrete repair materials, slabs, decks, retaining walls, etc.
- Runways, roads, tunnels, etc.

Applicable standards

- CIKOcure R90 complies with ASTM C 309 Type 1 (clear) or Type 2 (white) Class A & B.
- Complies with Qatar Construction Specifications QCS.

Physical properties

Form & Colour	Clear & white Liquid
Water Loss ASTM C156	<0.55 kg/m ²
Specific gravity	0.9 ± 0.05 @ 25 ⁰ C
Drying time @ 25 ⁰ C	<3 hours

Coverage

Each litre of CIKOcure R90 provides coverage of 4.0 to 5.0 m².

Application instructions

Surface preparation

CIKOcure R90 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 surfaces having free standing water.

Mixing

CIKOcure R90 is a ready to use material and should not dilute with any other solvents. It should be stirred well before use.

Application method

CIKOcure R90 must be applied by spraying over wet concrete. On vertical surfaces it can be applied by roller or brush after removal of forms/shutters. The spray equipment must be capable to generate a fine mist causing no damage to wet concrete surface. Manual spray equipment is more preferable.

While spraying CIKOcure AC, maintain a distance from nuzzle 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 R90 allows over coating of many coatings 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.

N.B: Compatibility with after trade coating should always be checked for adhesion prior to proceeding. Consult CIKO technical Service Department for further assistance.

Packaging

CIKOcure R90 is available in 20 litre pails and 200 litre drums.

Shelf life

CIKOcure R90 has a shelf life of 12 months in un- opened packs and if stored in accordance with CIKO instructions.

Storage

CIKOcure R90 should be stored under enclosed shaded area at temperatures below 30°C.

Precautions

- Protect the applied area at least 3 hours after application from running water or rain.
- Do not use near open flames.
- Application temperature ranges between 5 and 35°C.
- Flash point of CIKOcure R90 is 39°C.

Health & safety

CIKOcure R90 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
- 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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Note: 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



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