



CWC®KURE RB - 309

Synthetic Resin based Aluminized concrete curing compound

Description

CWC® Kure RB 309 is a curing compound based on aluminized synthetic resin for the prevention of premature water loss from concrete. It is in ready to use form and simple to apply. It has aluminum flakes for reflection of heat and thus. providing extra cover for prevention of water loss.

CWC® Kure RB 309 is supplied as a silvery liquid which forms a silvery film on drying. This impervious film prevents excessive water evaporation which in turn permits more efficient cement hydration, thus reducing shrinkage and increasing durability.

Indicative characteristics

Chemical Base	Aluminized Resin Based Liquid
Form	Silvery Grey liquid
Density	0.88 to 0.910 g/cc
Water loss (ASTM C156)	≤ 0.55 kg.m ²
Drying time (ASTM C309)	< 4hrs
Reflectance (E1347)	> 60%

* The uniformity parameters like specific gravity will vary for specific customer requirements and application process. Please refer our MTC issued for specific product configuration for measuring our product parameters that will be constantly and consistently administered.

Standard Compliance

Curing efficiency: **CWC® Kure RB 309** White curing compound complies with the internationally recognized ASTM C309, Type 2, Class A.

Advantages:

- Single application: Forms moisture barrier for whole of the curing period.
- No other curing necessary: Eliminates use of water, hessian, or sand completely.
- Reliable: No risk of erratic or poor curing and ensures that cement hydrates efficiently.
- Ensures hard-wearing surface: Minimizes risk of drying shrinkage, cracks, and dusty surfaces.
- Easy and safe spray application: Non-toxic and nonflammable.

Domains of application

CWC® Kure RB 309 is sprayed on to newly laid concrete surfaces to form a thin film barrier against premature water loss and thereby promote total cement hydration. It is particularly recommended for large areas of exposed concrete such as:

- Highways
- Runways and taxiways
- Aprons and hard standings
- Roof decks
- Canals linings

Concrete Works Construction Chemicals Private Limited (CIN: U74999PN2021PTC199740)

Corp. Office: Office No. 70, Mahavir Center, Fourth Floor, Sector 17, Vashi, Navi Mumbai 400703.

Reg. Office: 1471 D.B. House, Office No. F-4, 4th Floor, Madhav Nagar Road-EWSD Sangli, 416416

Email: info@cwchemicals.com | **Web.:** www.cwchemicals.com



APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Surface must be free from water, oil, and stains.

APPLICATION

Stir well **CWC® Kure RB 309** before application. Apply uniformly on to the newly laid concrete as soon as the surface water evaporates. Apply preferably using low pressure sprayer uniformly on concrete surface. Brush/Roller application could consume more **CWC® Kure RB 309** due to the very nature of the application.

Exposed concrete slabs: **CWC® Kure RB - 309** should be spray applied on to the newly placed concrete slab as soon as possible after it is free from visible surface water, e.g. typically 1 to 2 hours after placing. Shuttered and precast concrete: **CWC® Kure RB - 309** curing compound should be spray applied to all surfaces as soon as formwork has been removed or the element demolded. In all cases the nozzle of the spray should be held approximately 450mm from the concrete surface and should be passed back and forth to ensure complete and even coverage. The pump pressure should be maintained at a level to produce a fine spray ensuring complete coverage of the surface. Rate of application depends on requirements but is typically within the range of 5 to 6 ltr/m².

Equipment

The preferred and generally used equipment is a soft brush or roller and knapsack sprayer of the type commonly used in horticulture or pest control. The ideal type is a knapsack sprayer with a capacity of between 5 - 10 litres fitted with a 2.0m lance and adjustable spray nozzle.

Equipment cleaning

Immediately after use the spray equipment should be cleaned out thoroughly with fresh water. If the spray nozzle becomes blocked with wax particles these can easily be removed using white spirit or similar fluid.

Coverage rate

The recommended coverage rate is between 5.0 and 6.0 sq.m/litre. Coverage rates outside this recommended range may be used if necessary and suitable to meet specific requirements. Contact CWC technical team / Authorized Applicators for advice in such cases.

LIMITATIONS

Once formed, the membrane will remain on the concrete surface until eventually broken down and eroded by natural weathering. Where it is required to apply a further treatment to such concrete surface, it may be necessary to remove the membrane remaining after curing by wire brushing or other mechanical means.

The use of curing membranes on internal floor slabs is generally to be avoided where additional surface finishes are to be applied.

Safety Precautions

Not to be stored at high temperatures for long periods. Should be protected from frost. It is Non-toxic and formulated from chemicals which present no fire or health hazards. Spillages should be washed down immediately with water.

Before use, refer to the Material Safety Data Sheet.

The MSDS is available on www.cwcchemicals.com

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Packaging

 20lit, 200lit Barrel & bulk in 1000 lit

Shelf Life: If stored in unopened containers at normal ambient temperatures, a shelf-life of approximately 06 months.

Freezing point: Approximately -2°C.

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