



# CWC®KURE WB - 309

## Wax based concrete curing compound

### Description

CWC® Kure WB 309 A ready to use, liquid curing compound based on paraffin and White Pigmented to substantially increase light reflectance to effectively prevent premature water loss from the concrete both due to heat of hydration and sunlight. CWC® Kure WB 309 It is supplied as a white emulsion which forms a white 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	: Aqueous Wax Emulsion and Inorganic Pigment
Form	: White lump free liquid
Density	: 1.00 to 1.01 g/cc
Water loss (ASTM C156)	: ≤ 0.55 kg.m <sup>2</sup>
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 WB 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 WB 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
- High Rise Building

**Concrete Works Construction Chemicals Private Limited (CIN: U74999PN2021PTC199740)**

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

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## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY / PRE-TREATMENT

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

### APPLICATION

Stir well CWC® Kure WB 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 WB 309 due to the very nature of the application.

**Exposed concrete slabs :** CWC® Kure WB - 309 White 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 WB - 309 Clear curing compound should be spray applied to all surfaces as soon as formwork has been removed or the element demoulded

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 200 to 285 ml/m<sup>2</sup>.

### 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.

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### 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 3.5 and 5.0 sq.m / litre (0.200 to 0.285 litres/sq.m). 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.cwchemicals.com](http://www.cwchemicals.com)



## 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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