

# MasterKure<sup>®</sup> 107

## Water based concrete curing compound, white pigmented for solar reflectance

### MATERIAL DESCRIPTION

**MasterKure 107** incorporates a white pigment which at recommended coverage rates gives a daylight reflectance value of 60-80%. This permits a high curing efficiency to be maintained even in conditions of intense ambient light.

**MasterKure 107** is a solvent free, membrane forming wax emulsion, suitable for spray application to freshly poured concrete.

The resultant film retains sufficient moisture in the concrete to ensure full hydration of the cement; essential for optimum strength development. Membrane cured concrete is typically harder and exhibits a dust free surface with a reduced incidence of drying shrinkage cracks..

### TYPICAL APPLICATION

As a more effective and economical alternative to hessian and water and polythene curing regimes. Suitable for use on all concrete surfaces.

### ADVANTAGES

Eliminates the need for water Single application  
 Promotes a harder dust free surface Cured film is clear and water repellent Reduces drying shrinkage  
 High curing efficiency  
 Reduced labour costs Water based  
 Solar reflective

### STANDARD

ASTM C309 Type 2 Class A

### PACKAGING

**MasterKure 107** is available in 210 litre drums.

### COVERAGE

The recommended rate of application is 5- 6 square metres per litre. This corresponds to that which **MasterKure 107** has been tested, and at which it attains the claimed degree of curing efficiency. In favourable conditions such as shaded interior surfaces, adequate curing can be achieved with extended coverage rates.

### TYPICAL PROPERTIES

Properties listed are for guidance and are not a guarantee of performance.

Appearance	White liquid
Specific gravity	0.954
Flashpoint	Not applicable
Finished film appearance	white solar reflective, tack free, water repellent
Water retention (ASTM C309)	Pass
Drying time (ASTM C309)	3 hours, PASS

### DIRECTIONS FOR USE

The compound should be spray applied as evenly as possible to the freshly placed concrete.

For horizontal surfaces the **MasterKure 107** should be applied as soon as the initial surface sheen has disappeared from the concrete face. In the case of formed concrete, the **MasterKure 107** should be applied immediately on removal of the formwork. To assist breakdown of the **MasterKure 107** film on the vertical and formed surfaces, it is essential to dampen down the concrete with clean water prior to application.

### FILM BREAKDOWN

The time for deterioration of the membrane is dependent on a number of variables, which include film thickness, degree of exposure to weathering, traffic, UV light, and the porosity of the substrate concrete.

### SUBSEQUENT SURFACE FINISHES

It is important that the complete removal of the **MasterKure 107** should be ensured prior to the application of any surface finish or additional treatment. It is recommended that where the concrete is to receive a coating or the application of tiles, the use of **MasterKure 181** is considered.

**MasterKure 181** is a resin based non-degrading curing membrane meeting the requirements of ASTM C-309 Type 1 Class B. It is additionally formulated to act as a primer for many finishes or to seal concrete surfaces and provide a degree of abrasion to flatwork.

# MasterKure<sup>®</sup> 107

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### SPECIFICATION CLAUSE

Where indicated, concrete shall be cured by application of **MasterKure 106**, membrane forming wax emulsion manufactured by MBS or similar approved; to the following specification: Specification type:

ASTM C309: Type 1 Class A  
AASHTO M-148

**MasterKure 106** is to be applied at a coverage rate of 5 to 6 square metres per litre and strictly in accordance with the manufacturer's instructions.

### STORAGE

Shelf life is up to 12 months when stored under cover, out of direct sunlight and protected from extremes of temperature.

### SAFETY PRECAUTIONS

Avoid contact with eyes and prolonged contact with skin. During application, always wear gloves and appropriate clothing to minimise contact. In case of contact with eyes, immediately flush with plenty of water for at least 15 minutes. Should skin contact occur, wash immediately with soap and water. Seek the advice of a physician should symptoms persist.

### DISCLAIMER

The technical information and application advice given in this MB Construction Chemicals Solutions Kenya Ltd publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

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### STORAGE

Shelf life is 1 year when stored under cover, out of direct sunlight and protected from extremes of temperature. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult MBS's Technical Services Department.

### NOTE

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local MBS representative.

MBS reserves the right to have the true cause of any difficulty determined by accepted test methods.

\* Properties listed are based on laboratory controlled tests.

® = Registered trademark of the MBCC-Group in many countries.

### QUALITY AND RESPONSIBLE CARE

All products originating from MB Construction Chemicals Solutions are manufactured under a management system independently certified to conform to the requirements of the quality standards ISO 9001, environmental and occupational health and safety standards.

\* Properties listed are based on laboratory controlled tests.