

MasterKure[®] 101

Acrylic resin water based multi-role curing and sealing compound for concrete

DESCRIPTION

MasterKure 101 is a solvent free non-degrading, membrane-forming liquid curing compound based on an acrylic resin 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. The cured concrete is typically harder and exhibits a dust free surface with a reduced incidence of drying shrinkage cracks.

Additionally, the membrane acts as a primer system for many subsequent surface finishes that do not rely on penetration for substrate bond. When applied to floors, the **MasterKure 101** seals and dustproofs the surface, eliminating the primary source of abrasion and enhancing durability.

TYPICAL APPLICATIONS

As a more effective and economical alternative to separate curing and priming/sealing regimes.

- Suitable for use on most concrete surfaces.
- Surfaces subject to certain finishing treatments.
- Economical enhancement of concrete flatwork.
- In high-rise construction to eliminate the requirement for water curing.

ADVANTAGES

- Eliminates the need for water curing
- Imparts a harder dust free surface
- Does not support the growth of bacteria
- Non degrading, acts as a primer system
- Minimal delay for overcoating etc
- Abrasion resistant floors
- High curing efficiency
- Reduced labour costs
- Reduces chloride penetration

PACKAGING

MasterKure 101 is available in 210 litre drums.

STANDARDS

ASTM C309 Type 1 Class B

TYPICAL PROPERTIES*

Appearance	White liquid
Specific gravity	1.005 at 25°C
VOC	<10 g/l
Finished film appearance	Clear tack free
Water Retention (ASTM C309)	Pass
Drying Time (ASTM C309) @ 25°C	<3 hours

APPLICATION GUIDELINES

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

For horizontal surfaces the **MasterKure 101** should be applied as soon as the initial surface sheen has disappeared from the concrete face. In the case of formed concrete, the product should be applied immediately on removal of the formwork.

SUBSEQUENT SURFACE FINISHES

Cementitious renders/plasters up to 10mm thickness can be applied directly over **MasterKure 101** cured surfaces providing it is ensured there is no surface laitance, dirt, oil or grease on the surface. The bond strength must be assessed for renders/plasters greater than 10mm thickness.

SPECIFICATION CLAUSE

Where indicated, concrete shall be cured by application of **MasterKure 101**, curing compound based on acrylic resin manufactured by Master Builders Solutions UAE or similar approved; to the following specification:

Specification type ASTM C309: Type 1 Class B
 AASHTO M-148

MasterKure 101 is to be applied at a coverage rate of 4.5-5.5 m²/litre and strictly in accordance with the manufacturer's instructions.

MasterKure[®] 101

COVERAGE / YIELD

The recommended rate of application is 4.5-5.5 m²/litre. This corresponds to that at which **MasterKure 101** has been tested, and at which it attains the claimed degree of curing efficiency.

When using **MasterKure 101** for floor areas where mild chemical and wear resistance is required, it is recommended that a further coat be applied after 24 hours.

STORAGE AND SHELF LIFE

Shelf life is 12 months when stored in a shaded area to protect 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 Master Builders Solutions Technical Services Department.

HEALTH AND SAFETY

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Reseal containers after use. Use in well ventilated areas. For further information refer to the material safety data sheet.

QUALITY AND CARE

All products originating from Master Builders Solutions Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001 and ISO 14001.

* Properties listed are based on laboratory controlled tests.

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

MBS_CC-UAE/Kure_101_03_17/v2/08_17

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this Master Builders Solutions 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.

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by Master Builders Solutions either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Master Builders Solutions, are responsible for carrying out procedures appropriate to a specific application.

Master Builders Solutions
Construction Chemicals LLC
P.O. Box 37127, Dubai, UAE
Tel: +971 4 8090800
www.master-builders-solutions.com/en-ae

Disclaimer: the TUV mark relates to certified management system and not to the product mentioned on this datasheet



A brand of
MBCC GROUP