

MasterKure[®] 101

Acrylic, water-based, concrete curing compound

DESCRIPTION OF PRODUCT

Masterkure 101 is a solvent-free, acrylic, water-based 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.

PRIMARY USES

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

ADVANTAGES

- Eliminates the need for water
- Single application
- Reduces drying shrinkage
- High curing efficiency
- Reduced labour costs
- Water-based

PACKAGING

Masterkure 101 is available in 210ltr drums.

TYPICAL PROPERTIES

Appearance:	White liquid
Specific gravity:	0.95 to 1.00
Flashpoint:	Not applicable
Finished film appearance:	Clear opaque film
Drying time ASTM C309:	2 hours 15 minutes at 25°C
Unit moisture loss (after 7days)	0.024 g/cm ²
Sprayability	Sprayable 02:20
Dry to Touch	hr
Strength% from control (after 7days)	96.8 g/cm ²

STANDARDS

Masterkure 101 meets the requirements of ASTM C309 Type 1 Class B

COVERAGE

The recommended rate of application is 0.22ltr/m². This corresponds to that at which **Masterkure 101** has been tested, and at which it attains the claimed degree of curing efficiency. In favorable conditions, such as shaded interior surfaces, adequate curing can be achieved with extended coverage rates.

SUBSEQUENT SURFACE FINISHES

Cement renders 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. Surfaces must be well cleaned if they are left for long periods unprotected.

MasterCast bonding slurries must be utilized to bond subsequent finishes. Please refer to Master Builders Solutions's Technical Services Department for approved mix designs.

If renders of greater thickness than 1cm are to be applied, bond tests should be carried out to determine the proposed bonding method and surface preparation that is required.

For floor areas appropriate surface preparation is required dependant on the type of floor finish being applied.

Please refer to Master Builders Solutions technical department for appropriate recommendation.

SPECIFICATION CLAUSE MASTERKURE 101

Where indicated, concrete shall be cured by application of **Masterkure 101**, acrylic-based emulsion manufactured by Master Builders Solutions Egypt or similar approved; to the following specification:

SPECIFICATION TYPE:

ASTM C309: Type 1 Class B

Masterkure 101 is to be applied strictly in accordance with the manufacturer's instructions.

MasterKure[®] 101

STORAGE

Shelf life is up to 1 year when stored under cover, out of direct sunlight and protected from extremes of temperature.

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. Re-seal containers after use. Use in well-ventilated areas and avoid inhalation.

NOTE

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

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

QUALITY STATEMENT

All products manufactured by Master Builders Solutions Egypt, or imported from Master Builders Solutions affiliate companies world-wide, are manufactured to procedures certified to conform to the quality, environment, health & safety management systems described in the ISO 9001:2015, ISO 14001:2015 & OHSAS 18001:2007 standards.

* Properties listed are based on laboratory controlled tests.

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