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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>White liquid</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>0.95 to 1.00</td>
</tr>
<tr>
<td>Flashpoint</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Finished film appearance</td>
<td>Clear opaque film</td>
</tr>
<tr>
<td>Drying time</td>
<td>2 hours 15 minutes at 25°C</td>
</tr>
<tr>
<td>Unit moisture loss (after 7days)</td>
<td>0.024 g/cm²</td>
</tr>
<tr>
<td>Sprayability</td>
<td>Sprayable</td>
</tr>
<tr>
<td>Dry to Touch</td>
<td>02:20 hr</td>
</tr>
<tr>
<td>Strength% from control (after 7days)</td>
<td>96.8 g/cm²</td>
</tr>
</tbody>
</table>

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 BASF’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 BASF 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 BASF 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 BASF representative.

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

**QUALITY STATEMENT**
All products manufactured by BASF Egypt, or imported from BASF affiliate companies world-wide, are manufactured to procedures certified to conform to the quality, environment, health & safety management systems described in the ISO 9001:2008, ISO 14001:2004 & OHSAS 18001:2007 standards.

* Properties listed are based on laboratory controlled tests.

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