



The Chemical Company

MASTERKURE[®] 106

Water Based Curing Compound

Description of Product

MASTERKURE[®] 106 is a water based curing compound forming a membrane composed of a blend of petroleum extracts in emulsion form.

MASTERKURE[®] 106 conforms to specification type: ASTM C309 Type 1 Class A.

Fields of Application

MASTERKURE[®] 106 provides a highly economical and efficient means of retaining the moisture in fresh concrete.

Features and Benefits

- Reduces drying shrinkage.
- Reduces the incidence of hairline cracks.
- Single application.
- Cost effective.
- Initial white colour shows areas of use.
- Cured film is clear and water repellent.
- High curing efficiency.

Technical Data/Typical Properties

Appearance	White fluid emulsion
Specific Gravity	1.0 at 20°C
Finished Film Appearance	Turbid, tack free, water repellent film
Water Retention ASTM C156	Pass
Composition	High molecular weight, petroleum extracts, emulsifying agents and water

Application Procedure

Application

MASTERKURE[®] 106 should be spray applied as evenly as possible to the freshly placed concrete. For this purpose MBT Feb provide a comprehensive range of spray equipment specifically designed for the application of MASTERKURE[®] 106. Contact your nearest BASF Construction Chemicals (UK) Technical Services Department, Agent or Representative for further information.

On horizontal surfaces the curing efficiency of MASTERKURE[®] 106 will be adversely affected if applied

onto standing bleed water as the required film will not be able to be formed. Timing of application is important so that the curing membrane is applied as soon as the surface sheen disappears but should not be delayed thereafter.

For vertical surfaces the MASTERKURE[®] 106 should be applied immediately on removal of the formwork, i.e. at such time as the concrete is as green as possible. To assist breakdown of the MASTERKURE[®] 106 film on vertical and formed surfaces, **it is essential** to dampen down the concrete with clean water prior to application.

Subsequent Surface Finish

It is important that the complete removal of the MASTERKURE[®] 106 film should be ensured before the application of any subsequent surface finish.

It is recommended that where subsequent decoration of the concrete is of prime importance, the product MASTERKURE[®] 181 be used. This material acts as a curing compound and sealer/primer, to take subsequent applications, such as paints; tile adhesives; sealants; certain epoxy systems, etc. See Technical Data Sheet on MASTERKURE[®] 181, or contact your nearest BASF Construction Chemicals (UK) Technical Services Department for advice.

Curing/After Treatment

Breakdown of the MASTERKURE[®] 106 film usually commences after 30 days and takes up to 6 months for total disintegration to occur. The time for disintegration in all cases is dependent on a number of variables, such as thickness of film applied; the degree and severity of exposure to weather and traffic, and the porosity of the concrete. BASF Construction Chemicals (UK) offer no guarantees that breakdown will ever be wholly complete.

Coverage

The generally recommended rate of application is 5 - 6 square metres per litre. This corresponds to that which MASTERKURE[®] 106 has been tested, and 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.

In place of the above recommendations, the rates of cover stipulated in a specification should at all times be observed.



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Cleaning

All equipment should be thoroughly cleaned after use with water.

Packaging

MASTERKURE® 106 is supplied in 25 and 205 litre drums.

Storage

Store in cool conditions away from direct sunlight. Protect from frost.

Shelf Life

Minimum two years when stored in unopened containers according to the manufacturer's instructions.

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Health and Safety

*For full information on Health and Safety matters regarding this product the relevant Health and Safety Data Sheet should be consulted.

The following general comments apply to all products.

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs, (which may also be tainted with vapour until the product is fully cured and dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Keep away from children and animals. Reseal containers after use.

Solvent Based Products

Use in well ventilated areas; avoid inhaling. Suitable respiratory equipment may be needed, eg when spraying. Can cause skin, eye irritation. Wear protective eye shields and gloves during use. Do not smoke or allow sparks or naked lights when stored or in use.

Powder Products

Should be handled to minimise dust formation; use light mask if excessive dust unavoidable. Cement powders when wet or moistened can cause burns to skin and eyes which should be protected during use.

Resin Products

Can cause irritation, dermatitis or allergic reaction. Use protective equipment particularly for skin and eyes. Use only in well ventilated areas.

Spillage

Chemical products can cause damage; clean spillage immediately.

Disclaimer:

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.