



The Chemical Company

MASTERKURE[®] 404

Water based acrylic copolymer curing compound and sealer

DESCRIPTION

MASTERKURE 404 is a modified acrylic, membrane forming, curing compound for use on plain or coloured concrete. **MASTERKURE 404** meets and exceeds the moisture retention requirements of AS3799-1998 when applied at the recommended rate.

RECOMMENDED FOR

- Curing plain and coloured fresh concrete floors, smooth or textured surfaces, indoor or outdoor applications.
- Curing cementitious toppings and surface hardening finishes, particularly those containing metallic aggregates such as the **MASTERTOP 200** range.
- Efficiently curing all cementitious grouts and mortars including **MASTERFLOW** iron and natural aggregate formulations.
- Curing of concrete that will have an additional topping such as cement based tile adhesives or toppings.

FEATURES AND BENEFITS

- **Efficient curing of concrete, when applied at the recommended rate MASTERKURE 404 effectively seals in moisture to facilitate complete hydration of cement, resulting in maximum strength, increased durability, greater wear resistance and minimum surface dusting.**
- **Non-yellowing, safe, will not increase the slipperiness of concrete floors.**
- **Easy to use, can be applied by brush, roller or spray.**
- **Can be applied to smooth or rough surfaces.**
- **Leaves polished glazed appearance on floor surface.**
- **Can be recoated to provide glossy surface.**
- **Does not interfere with the adhesion of additional cement based toppings.**

PERFORMANCE DATA

AS3799-1998 specification requires that curing compounds achieve an efficiency index of 90% in 72 hours.

Water retention and efficiency tests conducted on **MASTERKURE 404** provided the following results.

Application Rate Index	Efficiency ⁽¹⁾
5m ² /litre	>90%
VOC content: <1g/L Test method:SCAQMD 304-91	

Water retention expressed as percent of control panel with no **MASTERKURE 404** applied.

Drying Time: Approximately 1-3 hours at 23°C.

The performance data is typical and based upon controlled laboratory conditions. Actual performance on the job site may vary from these values based on actual site conditions.

SPECIFICATION

As soon as the floor will not be marred by the application, all concrete floors indicated in the plans or the floor finish schedule should be cured with **MASTERKURE 404**. Preparation of surface, quantities used, application procedure and precautions shall be followed in strict compliance with BASF Construction Chemicals stated recommendations and directions.

ESTIMATING DATA

Actual coverage depends on the texture and porosity of the surface.

For curing fresh concrete floors, apply at a rate of 5m² per litre to meet moisture retention requirements of AS3799-1998.

For sealing of existing plain or coloured concrete floors, coverage will vary depending on the texture and porosity and ambient temperatures however it will generally be in the range 7.5 to 10m² per litre per coat, two coats recommended.

APPLICATION

Apply as soon as the surface has hardened sufficiently to prevent marrring. The surface should be damp but with no free water. Do not wait overnight before applying **MASTERKURE 404**.

Use a short nap roller (not lambswool or pile rollers). Do not add extra water.

Avoid overlapping and retouching of dried areas. Do not use in excess of 5m² per litre on fresh concrete. **MASTERKURE 404** can be sprayed using a low-pressure spray, e.g. backpack spray. Wear masks and avoid inhaling droplets. Allow surface to dry thoroughly (minimum 3 hours at 21°C) and ban all access until concrete has developed sufficient strength to withstand traffic.

Where necessary, cover the dried **MASTERKURE 404** with non-staining paper or polythene sheeting to protect the surface from dirt, paint etc.

If a high gloss is required on burnished floors or **Mastertop** cementitious floors then apply a second coat before handover and maintain with resin based wax and polish.

For more information about application, please obtain a copy of the BASF "Application Guide for **MASTERKURE 404**" from your local representative.



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CLEANING

For removing uncured **MASTERKURE 404** from equipment use **water**.

PACKAGING

MASTERKURE 404 is available in 20 litre pails, 200 litre drums and 1000 litre pallecons.

SHELF LIFE

MASTERKURE 404 has a shelf life of approximately 24 months stored in a dry place in tightly closed original containers at moderate temperatures.

PRECAUTIONS

- **MASTERKURE 404** is not a lacquer and should not be used where it will be exposed to solvents or plasticisers.

- Tracking will be evident on **MASTERTOP** floors if a polishing programme is not implemented.
- **MASTERKURE 404** will darken surfaces.

Keep out of reach of children. Avoid contact with skin and eyes and avoid breathing its vapour. If skin contact occurs remove contaminated clothing and wash skin thoroughly. If poisoning occurs, seek medical attention. If swallowed, do not induce vomiting. Give a glass of water. Give artificial respiration if necessary.

For the full health and safety hazard information and how to safely handle and use this product, please make sure that you obtain a copy of the BASF Construction Chemicals **Material Safety Data Sheet (MSDS)** from our office or our website.

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STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this **BASF** 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 **BASF** either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not **BASF**, are responsible for carrying out procedures appropriate to a specific application.

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