



The Chemical Company

MASTERKURE[®] 111 (Masterkure 111 CF)

Evaporation reducer

DESCRIPTION

MASTERKURE 111 evaporation reducer helps to produce high quality, concrete flatwork and reduces surface moisture evaporation. **MASTERKURE 111** is especially effective in combating rapid drying conditions (high concrete and/or ambient temperatures, low humidity, high winds, direct sunlight, work in heated interiors during cold weather, etc.).

FIELDS OF APPLICATION

- concrete surfaces where the evaporation rate exceeds the rate of bleeding of the concrete
- air-entrained and non-air-entrained concrete
- silica fume concrete
- concrete containing fly ash
- dry shake surface hardeners

FEATURES AND BENEFITS

Reduced surface moisture	Control of rapid evaporation.
Reduced crusting, stickiness and underlying sponginess	Improves surface evenness and textures.

PROPERTIES

Supply form	: Medium viscosity liquid
Colour	: Fluorescent Green - Yellow

APPLICATION

Depending on the application, **MASTERKURE 111** can be mixed at a ratio of up to one part **MASTERKURE 111** concentrate to nine parts of water. Agitate **MASTERKURE 111** before mixing with water. Re-agitate mixed materials before applying. Apply with a constant pressure or industrial type sprayer.

MASTERKURE 111 forms a monomolecular film when sprayed onto the concrete surface immediately after screeding and/or between finishing operations (as needed). The protective shield of **MASTERKURE 111** usually lasts as long as the concrete remains plastic, despite succeeding floating and trowelling operations. When applying Master Builders surface hardeners, **MASTERKURE 111** can be used after screeding and after the first floating operations, if necessary.

Treated surfaces are easily distinguished from untreated surfaces because of the greenish-yellow colour of the film in the presence of surface moisture and ultraviolet

rays (sunlight or artificial lighting). The fluorescent colour tint of the film disappears completely upon drying. The residue remaining on the surface of hardened concrete does not impair bonding or alter colour.

DOSAGE

3.8L of **MASTERKURE 111** mixed with 34.1L of water yields 37.9L of sprayable solution. This diluted (1:9) amount of **MASTERKURE 111** should cover 186 to 372 m² of fresh concrete.

PACKAGING

MASTERKURE 111 evaporation reducer is supplied in 205L drums.

SHELF LIFE

MASTERKURE 111 can be stored for 12 months if stored at temperatures above 5°C, in tightly sealed **original** drums. Protect product from freezing as it cannot be reconstituted.

PRECAUTIONS

Note: Do not use **MASTERKURE 111** as a finishing aid to facilitate finishing of:

- Cementitious, dry-shake surface hardeners or toppings.
- Air-entrained and non-air-entrained concrete, silica fume concrete or fly ash concrete.
- **MASTERKURE 111** is not to be applied during final flatwork steel troweling operations.
- **MASTERKURE 111** evaporation reducer is not a curing agent. Concrete treated with this product must still be cured.
- BASF Construction Chemicals is not responsible for compatibility or results when **MASTERKURE 111** evaporation reducer is used with other manufacturers' products.
- **MASTERKURE 111** reduces evaporation only while concrete is in its plastic state. It is not a substitute for early curing of hardened concrete nor does it alter the effectiveness of membrane-type curing compounds.
- **MASTERKURE 111** must not be applied during any finishing operation nor should it be worked into the concrete surface.
- **MASTERKURE 111** must be protected from freezing. Extreme cold may cause segregation after which the product cannot be reconstituted.

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- Any residue remaining from spillage or spraying of **MASTERKURE 111** concentrate on the surface of hardened concrete should not be allowed to dry. Wipe it up immediately, then rinse the surface with water. If the **MASTERKURE 111** concentrate residue is allowed to dry on hardened concrete, a reddish-brown stain may appear. To remove the stain, place a cloth saturated in a household-type, chlorinated bleach onto the stain, then cover it with plastic to retard evaporation. After approximately one hour, the stain should disappear completely. Rinse the area with water.
- For detailed Health, Safety and Environmental recommendations, please consult and follow all instructions on the product Material Safety Data Sheet.

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STATEMENT OF RESPONSIBILITY

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