



The Chemical Company

# MASTERKURE<sup>®</sup> 240

Water based bitumen modified hydrocarbon resin curing compound

## DESCRIPTION

**Masterkure 240** is a water dispersed bitumen and hydrocarbon resin based curing compound for newly placed concrete. It forms a flexible film which prevents concrete drying out during the critical early stages of hydration thus ensuring satisfactory curing of the concrete. **Masterkure 240** meets the water retention requirements of AS3799 when applied at the recommended application rate. It has been formulated from special aliphatic resins and being water dispersed is of low toxicity.

## RECOMMENDED FOR

- areas of external concrete paving, bridge decks, road pavements that will be overlaid with asphalt or bitumen topping
- useful as primer for asphalt and bitumen

It is not recommended for application when subsequent renders, toppings or coatings are to be applied other than bitumen or asphalt.

Is not a "tack coat" and if a "tack coat is necessary it should be applied.

## FEATURES AND BENEFITS

- *water based so low toxicity to operatives and no harmful effects on the environment*
- *efficient curing of concrete, assists the development of strength, abrasion resistance and durability and reduces the likelihood of cracking or dusting at the surface*
- *easy to use, convenient means of curing which requires no further attention, eliminates the problems of messy water curing or awkward polyethylene film*
- *ideal primer for bitumen or asphalt overlays*
- *clean up in water*

## TYPICAL PERFORMANCE DATA

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

Water retention and efficiency tests conducted on **Masterkure 240** provided the following results.

Application Rate Index	Efficiency*
4.5m <sup>2</sup> /litre	>90%

- \* Water retention expressed as percent of control panel with no **Masterkure 240** applied.

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

## PROPERTIES

The concrete shall be cured with **Masterkure 240** applied as soon as the concrete has set sufficiently so as not to be marred by the application. Preparation of surfaces, quantities used, application procedures and installation precautions should be followed in strict compliance with the manufacturers recommendations and directions.

## APPLICATION

### When to use

**Masterkure 240** should be applied immediately after the final finishing operation as soon as the surface has hardened sufficiently to prevent marring.

The surface should be damp but with no free water on it. Delaying the application until the next day will allow considerable loss of moisture, reducing the effectiveness of the curing membrane.

### How to use

Apply uniformly and thinly so as to form a continuous film. **Masterkure 240** is applied using a wide short nap roller, brush or low pressure spray. Do not thin, avoid forming puddles.

If the **Masterkure 240** is to be trafficable prior to application of the overlay then sand or fine stone can be applied to the **Masterkure 240** to increase its resistance to abrasion by traffic.

## CLEANING

Clean equipment immediately with water.

## ESTIMATING DATA

Actual coverage depends on the texture and porosity of the surface. The recommended application rate is 4.5m<sup>2</sup>/litre.

## SHELF LIFE

**Masterkure 240** has a shelf life of approximately 12 months if stored in its original sealed container at moderate temperatures.

## PACKAGING

**Masterkure 240** is available in drums of 200 litres.

## PRECAUTIONS

**Masterkure 240** is water based and is not flammable.

Keep out of reach of children.

Avoid contact with skin and eyes and avoid breathing its vapour or mist spray.

In case of poisoning, consult a doctor immediately or the Poisons Information Centre.



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All BASF Construction Chemicals Australia & New Zealand data sheets are updated on a regular basis, it is the user's responsibility to obtain the most recent issue AMk240/5/0307

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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.

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## NOTE

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