

# MasterKure 250

Water based hydrocarbon resin curing compound

## Material Description

**MasterKure 250** is a water dispersed 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 250** meets the water retention requirements of AS3799-1998 when applied at the recommended application rate. It has been formulated from special aliphatic resins and being water dispersed is of low toxicity.

## Areas of Application

- Large areas of external and internal concrete paving
- Concrete road pavements

Subsequent renders, toppings or coatings can be applied once sufficient time has elapsed to achieve full degradation of the **MasterKure 250**. Alternatively, if insufficient time has elapsed to achieve full degradation, renders, toppings or coatings can be applied once the **MasterKure 250** has been mechanically removed.

## Characteristics and Benefits

- Water based - 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
- Leaves surface as plain concrete - designed to begin degrading after 7 days exposure to UV light and lose adhesion to concrete after 6-8 weeks exposure to UV light
- Visible on site QA - can have a fugitive dye added to assist in achieving uniform coverage
- Simple removal – can be water jetted off after degradation, if required

## Properties

AS3799-1998 specification requires curing compounds to achieve an Efficiency Index of not less than 90% in 72 hours. Water retention tests conducted on **MasterKure 250** provided the following results:

Application Rate Index	Efficiency Index (I)
5m <sup>2</sup> /litre	>90%
VOC content: 87g/L Test method: SCAQMD 304-91	

Water retention expressed as the percent of a control panel with no **MasterKure 250** applied.

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

## Application

### (A) Surface Preparation

**MasterKure 250** 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. Do not wait until the next day to apply the **MasterKure 250**.

Delaying the application until the next day will allow considerable loss of moisture, reducing the effectiveness of the curing membrane.

### (B) Placing

Apply uniformly and thinly so as to form a continuous film. **MasterKure 250** is applied using a wide, short nap roller, brush or low-pressure spray. Do not thin, avoid forming puddles.

**MasterKure 250** can contain a fugitive dye, which aids the contractor to obtain a uniform coverage and avoids wasteful double applications.

## Estimating Data

Actual coverage depends on the texture and porosity of the surface. The recommended application rate is 5m<sup>2</sup>/litre.

## Packaging

**MasterKure 250** is available in 20L cubes or 200L drums with or without a fugitive dye and 1,000L pallecon.



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## Storage & Shelf Life

MasterKure 250 has a shelf life of 12 months. Store out of direct sunlight, clear of the ground on pallets protected from rainfall.

## Precautions

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

## Disclaimer

MasterKure-250-ANZ-V6-0623

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