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MASTERKURE® 250

Water based hydrocarbon resin curing compound

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.

RECOMMENDED FOR

- 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.

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*
- *designed to begin degrading after 7 days exposure to UV light and lose adhesion to concrete after 6-8 weeks exposure to UV light (must be removed by high pressure water blasting or acid etching before subsequent coatings).*
- *can have a fugitive dye added to assist in achieving uniform coverage*
- *can be removed, if required*

PERFORMANCE DATA

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 [1]
$5m^2$/litre	>90%

[1] Water retention expressed as the percent of a control panel with no Masterkure 250 applied.

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

SPECIFICATION

The concrete shall be cured with Masterkure 250 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 written recommendations and directions.

APPLICATION

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.

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

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.

CLEANING

Clean equipment with water before the product hardens.

ESTIMATING DATA

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

PACKAGING

Masterkure 250 is available in 20L cubes or 200L drums with or without a fugitive dye.

SHELF LIFE

Masterkure 250 has a shelf life of approximately 12 months if stored in its original sealed container at moderate temperatures.

PRECAUTIONS

Masterkure 250 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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BASF Construction Chemicals Australia Pty Ltd
Incorporated in NSW A.B.N. 46 000 450 288
Head Office: 11 Stanton Road Seven Hills, NSW 2147
Ph. (02) 8811 4200

Newcastle (02) 4961 3819
Canberra (02) 6280 6010
Brisbane (07) 3633 9900
Townsville (07) 4774 7344
Melbourne (03) 9549 0300

Adelaide (08) 8139 7500
Perth (08) 9366 2600
Darwin (08) 8984 3269
Kalgoorlie 0417 772 355

BASF Construction Chemicals New Zealand Ltd Head Office: 45 William Pickering Drive, Albany, Auckland Ph: (09) 414 7233
BASF WEB SITES www.basf-cc.com.au www.basf-cc.co.nz www.basf-ugc.com