

MASTERKURE[®] 100WB

Wax emulsion curing compound

DESCRIPTION

Masterkure 100 WB (clear or white) is a water based wax emulsion compound for curing fresh moist plain 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 100 WB** meets the requirements of AS 3799-1998, "Specification for Liquid Membrane-Forming Curing Compounds for Concrete" when applied at the recommended application rate.

RECOMMENDED FOR

- all types of external concrete paving
- applications where damp curing is impracticable
- concrete road pavements to prevent base course bonding to top course
- use as a bond breaker in lift slab construction

Masterkure 100 WB (clear or white) is not recommended for application when subsequent renders, toppings or coatings are to be applied and for coloured concrete finishes. **Masterkure 100WB** white is not recommended for coloured concrete finishes.

FEATURES AND BENEFITS

- *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, quick means of curing which requires no further attention, eliminates the problems of messy water curing*
- *safe to use, Masterkure 100 WB is non-flammable, non-corrosive, non-toxic and non-staining, less hazardous than some other methods of curing*
- *economical*

TYPICAL PERFORMANCE DATA

AS 3799-1998 specification requires that curing compounds achieve a minimum efficiency index of 90% in 72 hours.

Water retention efficiency conducted on **Masterkure 100 WB** provided the following results.

Application Rate	5m ² /litre
Efficiency Index	>90%

Drying Time: Approximately 3 hours at 23°C

NOTE: The data shown is based on controlled laboratory tests. Reasonable variations from the results can be expected in practice due to field conditions.

PROPERTIES

The concrete shall be cured with **Masterkure 100 WB** applied as soon as the concrete has set sufficiently so as not to be marred by the application. Formed surfaces shall be cured as soon as the forms have been stripped. Preparation of surfaces, quantities used, application procedures and installation precautions shall be followed in strict compliance with BASF Construction Chemicals recommendations and directions.

APPLICATION

When to use

Masterkure 100 WB should be applied in one coat 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 of **Masterkure 100 WB** 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 100 WB** is applied using a wide short nap roller, brush, or low-pressure spray. Do not dilute.

Masterkure 100 WB is supplied in clear or white pigmented to reduce heat absorption by the concrete.

CLEANING

Clean equipment immediately after use with hot water. If allowed to dry, use **Thinner No. 1** to clean up.

ESTIMATING DATA

Actual coverage depends on the texture and porosity of the surface. The recommended application rate is 5m²/litre.

PACKAGING

Masterkure 100 WB is available in clear or white pigmented in pails of 20 litre, drums, 200 litre drums and 1000 litre pallecons.

SHELF LIFE

Masterkure 100 WB has a shelf life of approximately 6 months if stored in its original sealed container at moderate temperatures. Do not allow to freeze. Avoid as far as possible storage in direct sunlight and avoid long-term exposure to high temperatures.

PRECAUTIONS

Masterkure 100 WB is not toxic but can be irritating to skin and eyes. Wear goggles and gloves when handling. Wash off splashes with clean water. If irritation persists, seek medical advice. Keep out of reach of children.



The Chemical Company

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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 Canberra Brisbane Townsville Melbourne	(02) 4961 3819 (02) 6280 6010 (07) 3633 9900 (07) 4774 7344 (03) 9549 0300	Adelaide (08) 8139 7500 Perth (08) 9366 2600 Darwin (08) 8984 3269 Kalgoorlie 0417 772 355

BASF 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