



Monocure 90 Curing Membrane

DESCRIPTION

Monocure 90 is a solvent free concrete curing membrane which is spray applied to concrete and mortar surfaces soon after placing to prevent the rapid drying out of water of hydration.

The elimination of most water loss from the surface of fresh concrete and mortar reduces cracking and crazing of exposed surfaces, facilitates cement hydration, improves surface hardening and reduces dusting.

Monocure 90 replaces damp hessian or PE and is easily spray applied to surfaces.

Monocure 90 is supplied as a white liquid of low viscosity. On contact with fresh mortar/concrete the emulsion breaks and a continuous wax film is formed upon the surface producing a very high efficiency curing membrane.

The clear film will degrade under the action of sunlight. Typically degradation will be noticed after 28 days but will depend on the degree of exposure to UV light and the initial thickness of the membrane. Monocure 90 should not be over coated until degradation is complete.

EFFICIENCY

The mean curing efficiency index at 72 hours was 85% when applied at 250ml/m² (tested to BSI DD 147 1987).

APPLICATION

Monocure 90 curing membrane should be applied by low pressure spray to the surface of newly placed mortar or concrete. The entire surface of the concrete should be covered as soon as possible after placing to provide maximum benefits.

The spray nozzle should be held 30cm - 50cm from the surface and the pressure maintained to provide a fine even spray. Care should be taken to produce a continuous film and to ensure that the correct coverage rate is maintained.

COVERAGE

grade	rate per m ²	coverage rate
Monocure 90	150 - 270 ml per m ²	3.5 - 6.5m ² per litre

SHUTTERED CONCRETE

On shuttered concrete Monocure 90 must be applied immediately after the formwork has been struck and any necessary repairs completed. If the concrete surface is dry, damp with clean water before applying Monocure.

HEALTH AND SAFETY

Monocure 90 is non-toxic and non-hazardous. However, Monocure 90 can cause irritation so we recommend that gloves and goggles should be worn. Avoid inhaling the spray.

Wash equipment in water after use.

PACKAGING

Monocure 90 is supplied in 5 and 30 litre units.

STORAGE

Store Monocure 90 in the shade in the temperature range +4°C to +35°C.

SHELF LIFE

Shelf life approximately 6 months dependent on storage conditions (in unopened containers).

INFORMATION

Further information, advice and practical guidance is available from the Ronacrete Technical Department.

Our Ref. : RFE-DS165 Issue 1 15.12.09



ISO 9001 : 2008
Certificate No. : CC 1983

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