

ECOCURE SUPER

Water Based High Efficiency Concrete Curing Compound

PRODUCT DESCRIPTION

ECOCURE SUPER is a spray-on temporary membrane to retain moisture in freshly placed concrete. It is formulated to prevent evaporation of the gauging water and provides an economical and efficient method for curing concrete. Ecocure Super is a white, low viscosity liquid which has an alkali reactive emulsion breaking system. This system ensures that the emulsion breaks down to form a non-penetrating continuous film immediately upon contact with cementitious surfaces. This impervious film prevents excessive water evaporation which in turn permits more efficient cement hydration, reducing shrinkage and increasing durability. The membrane once formed is degraded when exposed to ultraviolet light over a period of time depending on the conditions of exposure.



TECHNICAL DATA

Type	Conforms to ASTM C309-1 Type 1 Class A
Touch Dry Time	2 to 4 hours dependent upon temperature and wind
Hard Dry Time	18 to 24 hours dependent upon temperature and wind
Water retention	ASTM C156 Pass
Colour	White
Coverage	160-270 ml/m ² (4-6m ² per litre)
Packaging	210 litre drum, 25 litre bottle
Storage	Store in dry conditions at room temperature. Protect from frost and from source of heat. Keep container closed after use.
Shelf Life	1 year in sealed container when stored as recommended.

ADVANTAGES

- Reduces surface shrinkage and cracking by controlling moisture loss from exposed surfaces.
- Increases water resistance.
- Enables cement to hydrate more efficiently.
- Provides hard wearing surface and prevents dusting
- Non toxic and non flammable
- Eliminates need for damp hessian, sand or polythene.

CURING EFFICIENCY

- Water loss 0.17Kg/m² applied at 245ml/m² which is considerably more efficient than the maximum permissible water loss of 0.55kg/m² in ASTM C 309-81 and 0.39 kg/m² in US Federal Specification TT C 800A. 86% when applied at 270ml/m², Modified Dept. Of Transport specification for Road and Bridge works Clause 2709.
- After a period of approx. 28 days the film formed on the concrete surface will begin to degrade.
- The rate of degradation will depend upon initial membrane thickness and the degree of exposure to ultra violet light.

- Ecocure Super does not fall within the scope of BS 7542:1992 – method of test for curing compounds for concrete, but approximates to a curing efficiency of 90%.

APPLICATION

- Ecocure Super is spray applied to the surface of newly placed concrete.
- The concrete should be free from surface water and the nozzle of the spray should be held approx 450 mm from the concrete surface and passed back and forth to ensure complete coverage.
- The pump pressure should be maintained at a level producing a fine spray.

HEALTH & SAFETY

When working with ECOCURE SUPER suitable protective clothing, eye/face protection and gloves should be worn.

IMPORTANT NOTICE

Whilst all reasonable care is taken in compiling technical data on the Company's products, all recommendations or suggestions regarding the use of such products are made without guarantee, since the conditions of use are beyond the control of the Company.

It is the responsibility of the customer to satisfy himself that each product is fit for the purpose for which he intends to use it, that the actual conditions of use are suitable, and that in the light of our continual research and development programme the information relating to each product has not been superseded.

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To the best of our knowledge and belief, this information is true and accurate, but as conditions of use and any labour involved are beyond our control, the end user must satisfy himself by prior testing that the product is suitable for his specific application, and no responsibility can be accepted, or any warranty given by our Representatives, Agents or Distributors.