

SOLCURE STANDARD WB



Environmentally Friendly Medium Efficiency Concrete Curing Compound

Environmentally Friendly water based spray-on temporary membrane to retain moisture in freshly placed concrete, which provides an economical and efficient method for curing concrete

- Easily applied by spray, single coat application.
- 75% Curing efficiency.
- Cures by locking in moisture to ensure full hydration.
- Conforms to ASTM C309-1 Type 1 Class A
- Meets requirements Clause 2709 DoT for Road & Bridge Works



Colour	Product Code	Container Size
White	SOLCURESTDWB25	25 Litres
	SOLCURESTDWB210	210 Litres

SOLCEM - Building Chemicals & Admixtures

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Product Description

Solcure Standard WB 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.

Solcure Standard WB 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

Features & Benefits

- 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

Application

Solcure Standard WB 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.

Curing Efficiency

Water loss 0.22Kg/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.

77% 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. Solcure Standard WB 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 75%.

Coverage:

160-270 ml/m² (4-6m² per litre)

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

Health & Safety

During application avoid contact with eyes and skin. In the event of eye contact irrigate immediately with copious quantities of water and then seek medical advice. In the event of skin contact wash with soap and water.

Technical Data	
Drying time - Touch Dry	2-4 hours
Drying time - Hard Dry	18-24 hours
Curing Efficiency	75%
Coverage	4-6m ² / Litre