

SAFECURE SUPER

Water Base, High Efficiency Concrete Curing Compound

SAFECURE 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.

ADVANTAGES

- Reduces surface shrinkage and cracking by controlling moisture loss from surfaces.
- Increases water resistance.
- Enables cement to hydrate more efficiently.
- NO VOC
- Prevents dusting.
- Non toxic and non flammable.
- Eliminates need for damp hessian, sand or polythene

SAFECURE SUPER is a transparent, low viscosity liquid which has an alkali reactive emulsion breaking system. This system ensures that the emulsion breaks down to form a penetrating continuous film immediately upon contact with a cementitious surface. 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.

CURING EFFICIENCY

Water loss is considerably more efficient than the maximum permissible water loss of 0.55 kg/m² in ASTM C 309-81 and 0.39 kg/m² in US Federal Specification TT C 800A. 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. 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%.

INSTRUCTIONS FOR USE

SAFECURE 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 450mm 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. Rate of application will be 160 to 270 ml/m² (4 - 6 m²/ltr).

SPRAYER CLEANING

Immediately after spraying, clean line and nozzle thoroughly with water.

TYPICAL DATA

Touch Dry Time: 2 to 4 hours dependent upon temperature and wind
Hard Dry Time: 18 to 24 hours dependent upon temperature and wind

PACKAGING

210 and 25 litre containers

STORAGE

Keep containers sealed. Store in dry conditions at room temperature and away from direct heat. Protect from frost. When stored correctly in unopened container, storage stability is 2 years.

HEALTH AND SAFETY

Avoid physical contact with material. If contact with skin should occur wash with soap and water. If splashes should affect eyes, bathe immediately with clean water and if discomfort persists seek medical advice.

Reference should be made to the separate SAFECURE SUPER Health and Safety data sheet.