Safecure Super

Technical Specifications

Water Based High Efficiency Concrete Curing Compound

Applied to the surface of freshly laid concrete, SAFECURE SUPER physically 'locks' moisture into freshly cast concrete allowing full hydration of the cement thus allowing the concrete to fully cure. This is achieved by covering the surface of the concrete with a very thin temporary membrane that prevents moisture in the concrete from leaving the surface. Safecure Super has been tested, to show over 90% curing efficiency, when tested to BS 7542: 1992 & ASTM C309. Safecure Super is also a WRAS approved product.
Benefits of using include reduced surface shrinkage and cracking,; a more durable hard wearing surface and prevention of surface dusting.

Advantages

- Retains over 90% of hydration water—tested in accordance with BS 7542 :1992 & ASTM C309
- Reduces surface shrinkage and cracking by controlling moisture loss from surfaces. Increases water resistance
- Non hazardous—suitable for outdoor & indoor use as there are no VOC's in the compound
- Prevents concrete surface from dusting and improves surface quality and reduces plastic shrinkage.
- Non-toxic and non flammable.
- Eliminates need for damp hessian, sand or polythene
- WRAS Approved

Application

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 recommended at 4-6m² per litre. Shake the Safecure Super container before using. Touch Dry Time: <1 hour dependent upon temperature and wind. Hard Dry Time: 16 to 20 hours dependent upon temperature and wind. Curing agents do not provide thermal protection. It may be advisable to provide independent thermal protection in cold weather. For any subsequent processing of the concrete surface, all traces of Safecure Super must be completely removed, by physical abrasion, prior to carrying out the next process, to ensure the optimum adhesion & performance to the concrete of that subsequent process

Coverage

Apply the selected grade by spray at a rate of approximately 4-6 m² per litre, taking care to ensure complete coverage. Immediately after use the spraying equipment , especially the spray nozzle, should be thoroughly washed out with clean and if possible warm water. This will help ensure the nozzle does not become blocked with dried polymer latex and affect subsequent spraying.

Storage

Keep containers sealed. Store in dry conditions at room temperature and away from direct heat. Protect from frost. When stored correctly in an unopened container, storage stability is 12 months. Please mix/agitate Safecure Super container before decanting & use.

Shelf Life

One year in sealed containers.

Specification

SAFECURE SUPER is manufactured by Adomast Manufacturing Ltd and shall be applied strictly in accordance with the manufacturer's instructions. For specific advice regarding any aspect of this product, please consult our Technical Department

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.

See separate Safety Data Sheet for further information.

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