



EVO TOOL SURECURE Concrete Curing Compound

20L

Product Code: HT02822

Pack Quantity: 1

EVO TOOL SURECURE is a water-based silicate solution that reacts to deposit an integral layer of high-strength crystals within the concrete pore structure.

This process physically "locks" moisture into freshly cast concrete surfaces to allow full hydration of the cement, thus allowing a full and optimum cure.

PRODUCT DESCRIPTION

EVO TOOL SURECURE performs by physically "locking" moisture into freshly cast concrete surfaces to allow full hydration of the cement. This assists the concrete to achieve full & optimum cure, giving the optimum compressive strength & high-quality surface. This is achieved by a chemical reaction between SURECURE & the cement resulting in the blocking of the surface pores in the concrete. This in turn helps to retain hydration water within the concrete helping to optimise its curing. The treated surface is made denser & has reduced surface dusting & improved stain-resistant properties.

EVO TOOL SURECURE contains a trace of Blue dye to ease application & identify areas for treatment. This is a fugitive dye designed to become transparent under the action of sunlight (UV Light), & correctly applied will not permanently discolour the concrete.

KEY FEATURES

- Economical and very easy to apply
- Reduced risks of surface cracking and reduced likelihood of surface dusting
- Reacts with the concrete and helps prevent premature drying out of the concrete surface
- Will enable the concrete to attain improved physical properties
- A tinted grade with a fugitive dye, SURECURE, is also available to assist in identification during application

COVERAGE

Apply the selected grade by spray or watering can at a rate of approximately 4-6 m² per litre taking care to ensure complete coverage

STORAGE

SURECURE should be protected from frost. Containers must be kept sealed after use. The product may require mild agitation before use if stored for more than 6 months.

SHELF LIFE

12 Months in sealed containers, from date of manufacture. Use within 2 months of opening. Mix or agitate prior to use.



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.

See separate Safety Data Sheet for further information.

APPLICATION

USE ON FRESHLY CAST SURFACES

Apply progressively as soon as final tamping or trowelling of the concrete has been completed. If surface water is present a second application is recommended once the surface water has evaporated. Avoid ponding or over application of SURECURE by applying at the correct rate, as ponding may glaze the surface of the concrete, leaving a white crystalline deposit on the surface which can be difficult to remove. Any excess SURECURE remaining on the surface should be squeegeed away to avoid any risk of surface drying. Also avoid contact with glass or metals as permanent staining can also occur if SURECURE is not quickly washed off is allowed to dry.

USE ON VERTICAL CAST SURFACES

On vertical surfaces (struck from shuttering for example) less surface water is present and this may cause freshly applied SURECURE not to perform as designed. In these cases it is recommended initially to flood coat the outer surface with water as soon as the formwork is struck and as soon as, this water has run off, apply SURECURE. If this is not done it is possible that the curing compound will be absorbed below the concrete surface leaving the concrete surface unprotected and if SURECURE has been used UV light may be unable to act upon the "fugitive dye", thus leaving the concrete with a permanent blue hue. This advice regarding the flood coating of concrete surfaces protected by formwork is applicable whatever curing agent you may be using. Curing agents are designed to lock moisture into concrete; they can only achieve this by being on the concrete's surface.

In extremes of temperature, to reduce the risk of thermal shock, it may be desirable to preheat both the SURECURE and the water used to flood coat the concrete prior to application.

SURECURE is a water based product and as such are capable of freezing in extreme weather conditions. If this should occur prior to application simply allow defrosting and ensure that the contents of the container are thoroughly agitated before use.

At normal concreting temperatures the curing compound will not freeze and there will be no problems regarding application. Formwork surfaces should preferably be struck at temperatures above freezing and once again there will be no problems regarding application. As soon as either SURECURE comes into contact with the concrete surface it immediately react with the cement particles and block the pores allowing undisturbed hydration to commence.

Under subsequent exposure to freezing conditions curing compounds do not provide thermal protection and it may be advisable to provide independent thermal protection.

Immediately after use the application equipment should be thoroughly washed out with clean water.

NOTE. Care should be taken that over spray does not get onto paint or glass. Permanent damage may be caused if not rinsed off immediately.