

Water based Surface Hardener & Curing Agent

ADOCURE WW performs by physically “locking” moisture into freshly cast concrete surfaces to allow full hydration of the cement allowing therefore, the concrete to achieve full and optimum cure. This is achieved by blocking the surface pores in the concrete surface with a hard, water resistant silicate compound. ADOCURE WW/T has been specially developed to perform over the most critical period for concrete curing, and in time it gradually shrinks, thereby unblocking the pores in the concrete giving access to the capillaries within the concrete which then allows the uninhibited uptake of subsequent concrete surface treatments such as floor coating systems or saline based waterproofing etc.

ADOCURE WWT is identical in every respect to ADOCUREWW other than it contains a trace of blue dye to ease application and identify areas for treatment. This is a fugitive dye designed to become transparent under the action of sunlight (UV light), and correctly applied will not permanently discolour the concrete

Advantages

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

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 ADOCURE WW by applying at the correct rate, as ponding may glaze the surface of the concrete.

Use on vertical cast surfaces

On vertical surfaces (struck from shuttering for example) less surface water is present and this may cause freshly applied ADOCURE WW 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 ADOCURE WW. 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 ADOCURE WWT 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 ADOCURE WW and the water used to flood coat the concrete prior to application.

ADOCURE WW and ADOCURE WWT are water based products 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 ADOCURE WW or ADOCUREW WT come into contact with the concrete surface they 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.

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

Adocure WW & WWT 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

In excess of 12 months in sealed containers, use within 2 months of opening. Roll or agitate prior to use.



Specification

Adocure WW & WWT 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

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.