

Chemcure S

Concrete Curing Liquid

Description

An aqueous solution of metallic silicates which when applied to fresh concrete forms a micro-crystalline seal in the pores, reducing the evaporation of moisture from the mix thus assisting in the efficient curing of the concrete. The aqueous element of Chemcure S will evaporate into the atmosphere and the silicates become an integral part of the concrete, leaving no residues or deleterious material on the concrete surface. Removal is not required; the porosity of the concrete is slightly reduced but the bond with subsequent coatings or treatments, whether on cast or trowelled surfaces, will be unaffected.

Advantages

- Non staining, non toxic; ideally suited for reservoirs and other potable/wholesome water structures
- Water based, ideal for use in areas of poor ventilation
- Aids concrete to attain maximum hydration, strength, durability and surface hardness
- Shrinkage with associated with hairline cracking and crazing is greatly reduced in vertical and horizontal applications
- Optional non-staining fugitive dye available, to assist application if required
- Extremely economical and easy to apply; a single film application only is required, using Nufins' spray equipment or similar
- Compatible with Silane

Technical information

Appearance	Clear liquid
Specific gravity	1.1
Coverage	5.5-6.0 m ² per litre
Freezing point	-5°C
Flash point	Non flammable

Application Instructions

On vertical surfaces thoroughly dampen with water after stripping formwork. Chemcure S can then be easily sprayed over the concrete surface, at the designated rate. For horizontal freshly placed concrete, ensure that there is no free-standing water on the surface before spraying. Avoid any ponding on the concrete surface. Clean equipment immediately after use with water and avoid contact with glass or paintwork.

Packaging

Chemcure S is supplied in 20 and 210 litre drums.

Storage

The shelf life is 12 months when stored unopened in dry, normal conditions and away from direct sunlight. Protect from frost.

Health & Safety

Product Safety Data Sheets (SDS) are available from Nufins. SDS sheets are provided to help customers satisfy their safe handling, use and disposal needs as well as assist with any conformance requirements made locally by health and safety regulations.

SDS are continually updated to provide the very latest information to our customers. We therefore recommend contacting our head office to obtain the most recent and accurate SDS before handling and using any product.

Limitations

Chemcure S is a curing aid and under conditions of excessive heat and/or drying wind it is recommended that horizontal surfaces be covered with a polythene sheet for the first few hours of curing. This sheet will not stick to the surface and can be re-used many times. When Chemcure S is used on power floated floors or with dry shake 'hardeners', we recommend the floor is washed with clean water the following day to remove excess silicate.

Technical Note

It is recommended that site trials are carried out to demonstrate the compatibility of Chemcure S with any proposed coating/treatment.

Chemcure S, when used with the optional fugitive dye, does not cause staining. For advise regarding the factors which can affect staining please contact our Technical Department.



Disclaimer

The information contained herein is to the best of our knowledge true and accurate and is given in good faith but without warranty. The user will be deemed to have satisfied themselves independently as to the suitability of our products for their own particular purpose. In no event shall Nufins be liable for consequential or incidental damages.

Users must always refer to the most recent issue of the Technical Datasheets, copies of which will be supplied on request.

Technical Support

Through our technical department and laboratories we can offer a comprehensive service to specifiers and contractors. Technical contacts are available to provide further information and arrange demonstrations.