



# Chemcure S

## Concrete Curing Liquid



# Nufins

### 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/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

	Chemcure S
Appearance	Clear Liquid
Specific Gravity	1.1
Coverage	5.5-6.0 m <sup>2</sup> per Litre
Freezing Point	-5°C
Flash Point	Non flammable

**Approved by WRAS for use with potable/wholesome water.**  
Tested in accordance with BS6920:2000.

### 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, avoiding contact with glass or paintwork.

### Packaging

Chemcure S is supplied in 20 and 210 litre drums.

### Storage

Chemcure S should be stored at normal temperatures and protected from frost, out of the reach of children and away from foodstuffs. All containers should be resealed after use.

### Health & Safety

When spraying Chemcure S safety boots, rubber gloves and goggles should be worn. Any eye contact should be washed with copious amounts of clean water and medical treatment sought. If contact with skin arises wash well with soap and water. If swallowed do not induce vomiting and seek medical aid.

### 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 dryshake 'hardeners', we recommend the floor is washed with clean water the following day to remove excess silicate.

### Technical Note

We would recommend 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.

### Technical Support

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



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