

## Corrocure CSD

### Acrylic resin based curing, sealing and dust-proofing compound

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#### Product Features

**Corrocure CSD** is a single component, liquid applied, non-degradable, curing and sealing compound based on acrylic resin that dries to form a hard wearing, continuous membrane over new concrete that prevents rapid water loss during the critical early hardening stage, but also penetrates into concrete to seal and dustproof the surface.

**Corrocure CSD** has up to 90% curing efficiency that improves cement hydration, increasing durability and reducing the chance of plastic shrinkage cracks, whilst providing basic chemical and abrasion resistance in areas subject to low traffic.

**Corrocure CSD** also has environmental benefits, as no additional water is required to cure the concrete after application, therefore reducing subsequent labour and energy demand compared to continuously curing with water.

Complies to ASTM C 309 Type 1 Class A and Type 2 Class B.

#### Typical Uses

**Corrocure CSD** is typically used to cure fresh concrete and provide basic sealing and dust proofing, particularly for large surface areas such as warehouse floors, workshops, or remote site locations. It is particularly useful in hot countries where strong sunlight and winds can dramatically increase the risk of drying shrinkage on all areas of fresh concrete.

Technical Data		
Properties	Test Standards	Typical Values
Colour		: white / clear
Specific Gravity	ASTM D 1475	: 0.95 ± 0.02
Water retention	ASTM C 156:03	: < 0.55 kg/m <sup>2</sup>

Note: All values given are subject to 5 - 10% tolerance.

#### Directions for Use

##### Preparation

No special preparation is required before the application of **Corrocure CSD** however ensure concrete surfaces are clean and free from contamination such as dust, oil, grease, organic growth & release agents.

##### Priming

Priming is not required however please ensure the substrate is clean, sound and free from contamination.

##### Mixing

Stir **Corrocure CSD** thoroughly to mix any solid materials that may have settled at the bottom of the packaging, until a homogenous consistency is achieved.

#### Application

Apply **Corrocure CSD** using low pressure spray equipment to give a fine even coating to the fresh concrete at a theoretical coverage rate of 4 - 5 m<sup>2</sup> per litre per coat. A minimum of 2 coats of **Corrocure CSD** are recommended.

Do not apply if surface bleed water from the fresh concrete is present or forming.

**Corrocure CSD** can also be applied to newly hardened concrete after the formwork has been removed, however we recommend dampening the surface with clean water prior to application.

It is recommended to do on site trials to assess the suitability of the spray equipment and the actual coverage rates that can be achieved, prior to commencement of the works.

#### Curing

**Corrocure CSD** acts as a curing & sealing membrane therefore after application, no further curing using water and Hessian or polythene is required.

Please consult with Corrotech regarding compatibility of the **Corrocure** range with any subsequent finishes to be used, as this may help reduce preparation.

#### Hot Weather Conditions

For application above 40°C we recommend adopting the following guidelines:

Store unmixed materials in a cool preferably air conditioned environment.

Avoid exposure of mixed & unmixed materials to direct sunlight.

Keep equipment that will be in contact with the product cool and away from direct sunlight.

Avoid application during the hottest time of day.

#### Cleaning

Clean tools and equipment immediately after use with **Corroclean**.

#### Limitations

Substrate temperatures should be above 5°C and rising.

For application in temperatures above 40°C please refer to hot weather condition recommendation.

Avoid application if the work area may be subject to the onset of rain or moving water.

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Additional coating protection should be applied if the product is exposed to chemicals.

All products should be used within the pot life. Materials not used within the specified time should be discarded.

The product should not be thinned with any type of solvent under any circumstances.

If the above general application details do not meet with your requirements, please contact Corrotech for a project specific method statement.

#### Estimating

**Corrocure CSD** pack size: 200 litre drums. Coverage rate approximately 4 - 5 m<sup>2</sup> per litre per coat

All coverage rates given are theoretical and subject to actual site conditions. We recommend trial areas are done to establish practical consumption particularly for primers.

#### Health & safety

Always use appropriate PPE including gloves, goggles and a barrier cream to avoid contact with skin and eyes.

Should contact with skin or eyes occur, wash immediately with plenty of clean water and seek medical advice.

If swallowed, seek medical attention immediately. Do not induce vomiting.

Avoid inhalation and ensure adequate ventilation or suitable respiratory equipment if working in confined spaces.

Do not expose products to fire or naked flames under any circumstances.

Always refer to the product Material Safety Data Sheet (MSDS) for full health & safety and handling recommendations.

#### Storage

**Corrocure CSD** has a maximum shelf life of 12 months from the date of manufacture.

To maximize shelf life always store products in their original, unopened packaging in a dry environment, away from direct sunlight with a minimum temperature of 10°C but not exceeding 35°C.

Damaged packaging, high humidity or extreme temperatures may reduce the shelf life.