

Solvent based chlorinated rubber based curing compound

Uses

Typically used on freshly laid concrete floors. Also used for curing vertical concrete areas immediately after the stripping of forms to assist strength development, improve chemical resistance, etc during construction.

Advantages

- Enables concrete to hydrate more efficiently
- Complies with Australian Standards AS 3799
- Achieves water retention of 90% or greater
- Increases concrete strength and dusting resistance
- Eliminates the need for damp hessian, sand or polythene
- Rapid film formation
- Odourless when dry
- Facilitates job clean up and maintenance of the coated surface

Description

Concure CR consists of a processed blend of chlorinated rubber and modifying agents in Xylene to give a stable, transparent, quick drying, mobile liquid. Concure CR cures, seals and hardens the surface of new concrete, providing increased strength and durability and improved resistance to chemicals and surface dusting.

Design Criteria

The coating should be applied in a single coat to achieve a total dry film thickness of not less than 35 microns. To achieve the correct curing properties, Concure CR must be applied on to the substrate at the coverage rate of 5m² per litre.

Specification Clause

Concrete curing compound

All designated areas are to have a liquid curing compound applied to the freshly finished concrete. The curing compound will be based on chlorinated rubber, have a volume solids content of not less than 19% and conform to AS3799 having a moisture retention of >90%. Such a material is Concure CR as supplied by Fosroc. The curing compound is to be applied in accordance with the manufacturers application instructions.

Properties

Data quoted typical for this product, but does not constitute a specification.

Volume solids:	19%
Specific gravity:	0.94
VOC content:	760g / litre
Drying time:	3 hours on fresh concrete
Colour:	Clear, light honey coloured

Application Instructions

New Concrete

Concure CR should be evenly sprayed over the freshly laid concrete as soon as possible after final trowelling. Ideally Concure CR should be applied as soon as the surface bleed water has evaporated.

Cleaning

Concure CR should be removed from tools and equipment with Fosroc Solvent 10.

Limitations

Certain adhesives for vinyl tiles, or other types of resilient flooring, and paints of an approved grade may be applied to concrete coated with Concure CR. It is important however that the concrete should be thoroughly cured prior to such application, and that a test area has been completed for approval.

Cement based renders and toppings should not be applied over Concure CR. First remove the Concure CR by sand blasting or scabbling to provide a mechanical key.

The life of Concure CR will depend on traffic conditions to which it has been subjected; therefore apply reviving coats as required.

The bond of Concure CR is likely to fail if the product is applied to concrete or masonry substrates subject to back water pressure, and/or where extraneous salt particles are carried from the substrate to the interface by vapour or condensation.

Substrates to which Concure CR is not resistant include oxidising agents, such as sodium hypochlorite, bromine water and sulphur dioxide. Concure CR is also not resistant to concentrated acetic acid, concentrated phosphoric acid, concentrated nitric acid, chromic acid, concentrated ammonia, animal fats and oils, synthetic oils such as brake fluid and some transmission fluids, vegetable oils and higher fatty acids such as oleic acid plus the following solvent types: aromatic hydrocarbons, esters, ketones and chlorinated solvents.

A clear appearance with slight yellow cast is obtained.

Concure CR will yellow when subject to ultra-violet radiation from sunlight.

Fosroc® Concure® CR

Supply

Concure CR 200 litre drum:	FC662025-200L
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Coverage

Concure CR:	5m ² per litre
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The coverage figures given are theoretical - due to wastage factors and the variety and nature of possible substrates, practical coverage figures will be reduced.

Storage

Concure CR has a shelf life of 5 years if kept in the original, unopened packs.

Store in cool, dry conditions, away from sources of heat and naked flames. If stored at high temperatures and/or high humidity conditions the shelf life may be reduced.

Important notice

A Safety Data Sheet (SDS) is available from the Fosroc website. Read the SDS and TDS carefully prior to use as application or performance data may change from time to time. In emergency, contact any Poisons Information Centre (phone 13 11 26 within Australia) or a doctor for advice.

Product disclaimer

This Technical Data Sheet (TDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this TDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Parchem does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.



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