

# Fosroc® Concure P

## Economical, polymer emulsion curing compound - internal applications

### Uses

Concure P is recommended for internal applications to the surfaces of concrete structures, including renders, structural and mass concrete, particularly in situations where other conventional means of wet curing are difficult to maintain or where after trades, such as painting or renders, are to be applied.

### Advantages

- Enables concrete to hydrate more efficiently
- Compatible with many specific after trades
- Increases concrete strength and dusting resistance
- Eliminates the need for damp hessian, sand or polythene
- Rapid film formation
- Non-flammable; non-toxic
- Economical

### Description

Concure P is a liquid polymer emulsion membrane curing compound coloured green with a fugitive dye for ease of identification, which when applied to fresh concrete dries to a transparent film of high water retention enabling curing of the concrete by reducing loss of water from the concrete.

### Properties

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

<b>Volume solids:</b>	17.5%
<b>Specific gravity:</b>	1.03 at 25°C
<b>Drying time:</b>	1 - 2 hours, on new concrete
<b>Colour:</b>	Pale green; dries clear

### Design Criteria

The coating should be applied in a single coat to achieve a total dry film thickness of not less than 28 microns. To achieve the correct curing properties, Concure P must be applied on to the substrate at the coverage rates recommended.

### Specification Clauses

#### 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 polymer emulsion and have a volume solids content of not less than 17.5%. Such a material is Concure P as manufactured by Fosroc. The curing compound is to be applied in accordance with the manufacturers application instructions.

## Application Instructions

Stir contents thoroughly before using.

Spray Concure P evenly over the freshly laid concrete as soon as possible after final trowelling just after the disappearance of surface bleed water for maximum water retention (approximately 1 - 2 hours depending on the ambient temperature and atmospheric conditions).

If spray equipment is not available, apply with a soft brush, broom or wide nap roller as soon as the concrete surface is hard enough.

Apply to vertical surfaces immediately after the formwork has been removed.

Apply at an even coverage rate of not greater than 6 square metres per litre.

Ensure the concrete surface is completely free of stains, oils, form coatings etc., to obtain good adhesion of Concure P and of any other after trades and to avoid obtaining discolouration or uneven surface effects.

### Cleaning

Concure P should be removed from tools and equipment with water immediately after use.

High temperatures and/or high humidity conditions the shelf life may be reduced.

### Limitations

Concure P must not be used as a curing aid on surfaces subjected to after trade treatments, such as painting, rendering, etc., where such trades would subsequently be subjected to back water pressure or condensation of water vapour at the interface, eg. ground floor render toppings, etc. In such cases the render topping will be broken with drumminess, cracking, lifting, etc., as a result of re-emulsification by the alkalis in the cement, particularly under traffic conditions.

Do not brush on to soft, wet concrete or render surfaces which will be disturbed and thus prevent formation of the curing film.

Concure P must not be applied to stained, oily or contaminated concrete or render surfaces, which can cause discolouration, non-uniformity, or inhibit the bond of subsequent surface treatments.

Concure P should not be used as the curing compound for any metallic based integral floor hardeners. Concure CR should always be used with these products to prevent rusting of the aggregate.

Concure P is a milky white stable emulsion to which a fugitive green dye has been added for easy identification. Do not use any material which has discoloured. Always first make a test trial application for approval, before proceeding

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with the job.

All containers must be kept sealed and stored under cover with no exposure to the sun. Evaporated or thickened material must not be used. Do not dilute Concure P with water or any solvent.

## Estimating

### Supply

20 litre and 200 litre drums

### Coverage

5 - 6 m<sup>2</sup> per litre

## Storage

### Shelf life

Concure P has a shelf life of 18 months if kept in a dry store in the original, unopened packs.

### Storage conditions

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

## Important notice

A Safety Data Sheet (SDS) and Technical Data Sheet (TDS) are available from the Parchem website or upon request from the nearest Parchem sales office. 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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