

Fosroc® Concure HR90

Hydrocarbon resin based curing compound - conforms to AS3799 / hot pour asphalt suitable

Uses

Provides a resin membrane on the surface of newly placed concrete to retain moisture for effective curing to take place. Applications include:

- Concrete roads
- Bridge works
- Hardstanding areas
- Concrete pavements

Advantages

- Rapid film formation time
- Utilises low hazard solvent for safer application
- Economical, ease of application reduces labour cost
- Eliminates the need for damp hessian, sand or polythene
- Enables concrete to hydrate more efficiently
- Increases concrete strength and dusting resistance
- Reduces surface shrinkage and cracking

Standards Compliance

Concure HR90 conforms to AS 3799-1998: liquid membrane - forming curing compounds for concrete, having a Moisture Retention Efficiency of 91%. Test certificates are available on request.

Concure HR90 conforms to R.T.A. specification 3203 - Supply of Curing Compounds for Concrete.

Description

Concure HR90 is a liquid applied curing compound which consists of a processed blend of petroleum and resin based hydrocarbons. When applied at the recommended application rate Concure HR90 minimises moisture loss in freshly laid concrete thus improving the curing of the concrete.

Technical Support

Parchem offer a comprehensive range of high performance, high quality repair, maintenance and construction products. In addition, Parchem offer a technical support package to specifiers, end-users and contractors, as well as on-site technical assistance.

Design criteria

The coating should be applied in a single coat at a coverage rate of 5 m²/litre. To achieve the correct curing properties, Concure HR90 must be applied on to the substrate at the coverage rates recommended.

Properties

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

| | |
|---------------------|------------------------------------|
| Drying time: | 1 - 2 hours on new concrete |
| Colour: | Contains red or green fugitive dye |

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 hydrocarbon resin, comply with AS 3799 and have a weight solids content of not less than 35%. Such a material is Concure HR90 as supplied by Parchem. The curing compound is to be applied in accordance with the manufacturers application instructions.

Application Instructions

Mix thoroughly prior to use. Concure HR90 should be evenly sprayed over the freshly laid concrete as soon as possible after final trowelling. Ideally Concure HR90 should be applied as soon as the surface bleed water has evaporated.

Apply Concure HR90 at a coverage rate of 5 m²/litre.

Cleaning

Concure HR90 should be removed from tools and equipment with white spirits or Solvent 10.

Limitations

- Concure HR90 is generally not compatible with after trades. Any subsequent treatments will require the removal of Concure HR90 using mechanical means.
- Concure HR90 will 'yellow' and powder when subject to ultra-violet radiation from sunlight assisting its ease of removal.
- Do not brush onto soft, wet concrete or render surfaces which will be disturbed and thus prevent formation of the curing film.

Estimating

Supply

| | |
|----------------------|---------------------|
| Concure HR90: | 200 litre drum |
| Solvent 10: | 4 and 20 litre drum |

Coverage

| | |
|----------------------|-------------------------|
| Concure HR90: | 5 m ² /litre |
|----------------------|-------------------------|

The coverage figures given are theoretical - due to wastage factors and the variety and nature of possible substrates, practical coverage figures will be reduced.

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Storage

Shelf life

All products have a shelf life of 36 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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