

## SURFACE CURE R

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### HYDROCARBON RESIN EMULSION CURING COMPOUND (Type 1-D, Class B)

Hydrocarbon Resin based curing compound conforming to AS 3799 and Hot Pour Asphalt suitable.

### DESCRIPTION

SURFACE CURE R 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 Surface Cure R minimizes moisture loss in

freshly laid concrete thus improving the curing of the concrete providing increased strength and durability and improved resistance to surface dusting.

### USE

Mainly used on freshly laid concrete floors, carparks, hardstand areas, warehouses, bridge ramparts etc.

Also used for curing vertical concrete areas immediately after the stripping of forms to assist strength development, improve chemical resistance, etc.

### ADVANTAGES OF USE

- Rapid film formation time
- Water resistant film formed
- Utilises low VOC formula
- Complies with GREEN STAR- OFFICE DESIGN V3 IEQ-13
- 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
- Odourless when dry

### STANDARDS COMPLIANCE

Surface Cure R conforms to AS 3799-1998: liquid membrane forming curing compounds for concrete, having a Moisture Retention Efficiency of 93%. Test certificates are available on request.

Surface Cure R conforms to R.T.A. specification R82, R83, R84. & is listed on QDMR as an approved product.

SURFACE CURE R is also available in pigmented variants of white (Type 2- Class B) & black (Type 3- Class B), These products are usually specified when temperature conditions dictate viz. during the period November- April (white) and winter for

black, to assist in the optimizing of temperature conditions for concrete curing.

### DESIGN & SPECIFICATION DETAIL

The coating should be applied (undiluted) in a single coat at the specified rate of 5m/L ( 0.2L/m<sup>2</sup>) to achieve a total dry film thickness to achieve the correct curing properties.

SURFACE CURE R must be applied on to the substrate at the coverage rates recommended as a minimum specification.

If specified at higher rates, then allowance for removal of resulting film must be made allowed for before additional works.

### CONCRETE CURING COMPOUND

All designated areas are to have a liquid curing compound applied to the freshly finished concrete. The curing compound will be a hydrocarbon resin emulsion, complying with AS3799.

Such a material is SURFACE CURE R as supplied by Chemical House. The curing compound is to be applied in accordance with the manufacturer's application instructions.

### DIRECTIONS FOR USE

SURFACE CURE R should be evenly sprayed (undiluted) over the freshly laid concrete as soon as possible after final trowelling. Ideally SURFACE CURE R should be applied as soon as the surface bleed water has evaporated.

### 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 SURFACE CURE R.

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 SURFACE CURE R.

First remove the SURFACE CURE R by stripping with STRIPSEAL, EASI-ORANGE or sand blasting or scabbling to provide a mechanical key.

The life of SURFACE CURE R will depend on the weather exposure conditions to which it has been subjected; the coating is designed to break down with weathering.

Continual exposure to UV light and weather of at least 12 weeks is suggested to facilitate this process.

The bond of SURFACE CURE R 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.

A clear appearance with slight yellow cast is obtained.

SURFACE CURE R will oxidize and breakdown when subject to ultra-violet radiation from sunlight.

### **COVERAGE**

5 m<sup>2</sup> per litre (0.2L/m<sup>2</sup>) as supplied

### **CLEAN UP**

SURFACE CURE R should be removed from tools and equipment with water if still wet and Solvent 100, Easi-Orange or StripSeal formulated strippers from Chemical House if the dry film has formed.

### **STORAGE**

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

### **PACKS**

20L, 200L, 1000L

Surface Cure R being used on the M7 southwest Sydney



### **SURFACE CURE R - July 2020**

This Product Data Sheet (PDS) 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 PDS 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. Chemical House does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether in accordance with any advice, specification, recommendation, or information given by it.

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