

# SUPERCURE HR

## SUPERCURE HR

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:

SUPERCURE HR is a water-based emulsion curing compound which consists of a processed blend of hydrocarbon resins and other selected additives. When applied at the recommended application rate SUPERCURE HR 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
- ✓ After Trades, compatible\*

### STANDARDS COMPLIANCE:

SUPERCURE HR conforms to AS 3799-1998: liquid membrane forming curing compounds for concrete, having a Moisture Retention greater than 90%. Test certificates are available on request. SUPERCURE HR R complies with MRTS 40, Clause 9.1.1 and Table 9.1.1.1-B

SUPERCURE HR is also available in pigmented variants of white (Type 2- Class B) & black (Type 3- Class B), Test certificates will be available shortly. 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.

SUPERCURE HR 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 SUPERCURE HR as supplied by PENETRON AUSTRALIA. The curing compound is to be applied in accordance with the manufacturer's application instructions.

## **DIRECTIONS FOR USE:**

Ideally SUPERCURE HR should be applied as soon as the surface bleed water has evaporated, without delay. SUPERCURE HR should be evenly sprayed (undiluted) over the freshly laid concrete as soon as possible after final trowelling. Suggested method is via an airless spray gun i.e. no air dilution at the spray nozzle and application should be in a 'north-south' direction initially and over-sprayed wet on wet in an 'east-west' direction to ensure full coverage. Pay attention to flow rates to ensure the surface is not undercoated nor an excess of cure is applied. The use of mats locally placed to check coverage is recommended. Refer RTA R 83 A. 4.3.7 for method.

## **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 SUPERCURE HR. 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 SUPERCURE HR. First remove the SUPERCURE HR by stripping solvents or sand blasting or scabbling to provide a mechanical key. The bond of SUPERCURE HR 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.

\*The life of the SUPERCURE HR film will depend on the weather exposure conditions to which it has been subjected. Due to resin selection and other selected formulation ingredients, the coating is designed to break down with weathering by oxidation of the resin, when exposed to direct UV light and weather for 45-60 days, when applied at the recommended coverage rate. This property gives rise to the after-trades compatibility.

## **COVERAGE:**

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

## **CLEAN UP:**

SUPERCURE HR should be removed from tools and equipment with water if still wet and stripping solvents 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

## **DISCLAIMER:**

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.

PENETRON AUSTRALIA 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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