



SURFACE CURE W

WAX EMULSION CURING COMPOUND (Type 1-D, Class A) Wax based curing compound conforming to AS 3799

DESCRIPTION

SURFACE CURE W is a low viscosity wax emulsion curing compound which consists of a processed blend of paraffin waxes.

When applied at the recommended application rate Surface Cure W 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.

SURFACE CURE W has fast film forming properties which react with the cementitious surface forming an impervious vapour and liquid membrane.

USE

Surface Cure W provides a spray-on membrane to retain moisture in concrete for effective curing.

Used for concreting generally but especially useful for large areas of concrete construction such as runways, motorways or bridgeworks.

ADVANTAGES OF USE

- Reduces surface shrinkage and cracking by eliminating moisture loss from exposed surfaces
- Increases concrete strength and dusting resistance
- Eliminates the need for damp hessian, sand, or polythene
- Rapid film formation
- Enables concrete to hydrate more efficiently
- Non-flammable; non-toxic
- Low VOC's
- Meets Green Star Rating
- Economical

STANDARDS COMPLIANCE

Surface Cure W complies with the requirements of AS3799 liquid membrane - forming curing compounds for concrete.

A copy of the certification is available on request.

Surface Cure W30 is also available which conforms to R.T.A. specification 3202, R82, R83, R84. & is listed on QTMR as an approved product.

SURFACE CURE W30 is also available in pigmented variants of white, SURFACE CURE W30-WHITE and SURFACE CURE W30-HCR-WHITE (Type 2- Class B) & black (Type 3- Class B), all conform with AS 3799.

SURFACE CURE W30-HCR-WHITE conforms with QTMR Spec

The above variant 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 in a single coat to achieve a total dry film thickness of not less than 60 microns.

To achieve the correct curing properties, SURFACE CURE W must be applied on to the substrate at the coverage rates recommended.

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 wax emulsion, complying with AS3799.

Such a material is SURFACE CURE W, as supplied by Chemical House.

The curing compound is to be applied in accordance with the manufacturer's application instructions.





Technical Data Sheet

May-26

DIRECTIONS FOR USE

SURFACE CURE W should be evenly sprayed over the freshly laid concrete as soon as possible after final trowelling.

Ideally SURFACE CURE W should be applied as soon as the surface bleed water has evaporated.

LIMITATIONS

Substrates coated with SURFACE CURE W will not accept after trades or additional coatings except when a debonding layer is specified.

Cement based renders and toppings should not be applied over these treated surfaces without extensive removal procedures, viz., removal of SURFACE CURE W by stripping with STRIPSEAL, EASI-ORANGE or sand blasting or scabbling to provide a mechanical key, but as the wax component has good penetrative abilities these procedures are risky.

Rule of thumb is not to attempt the procedure.

APPLICATION

Low pressure spray (preferred) or soft 10-15mm nap roller.

DRYING TIME

Approximately 1 to 2 hours at 25degC.

After this time the SURFACE-CURE W will be shower resistant and will resist re-emulsification and consequential removal.

This feature will help diminish the potential for wash away by rain within 8 hours of application.

COMPATIBILITY

SURFACE-CURE W will darken slightly with age and UV exposure.

SURFACE-CURE W is not compatible with many hydrocarbon solvent-based primers and is NOT suitable for use on concrete roads which will be subject to line marking.

Compatibility tests should be undertaken and confirmed by testing in every case.

TECHNICAL DATA

COVERAGE	5m ² per litre (0.2L/m ²) as supplied
CLEAN UP	Water cleanup when wet
FIRST AID, SAFETY & STORAGE	Refer to Material Safety Data sheet.
PACKS	20L, 200L, 1000 (IBC)



SURFACE CURE W - TDS MAY 2026

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 way, 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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