

# AARDCURE

# WBS

## DESCRIPTION

Aardcure WBS is high performance and versatile acrylic modified emulsion curing membrane. When applied to freshly poured concrete, Aardcure WBS meets AS3799 requirements and exhibits excellent durability as a concrete sealer and primer for cementitious surfaces.

## USES

- Curing plain and coloured fresh concrete floors, smooth or textured surfaces, indoor or outdoor applications.
- Curing cementitious toppings.
- Efficiently curing all cementitious grouts and mortars.
- Curing of concrete that will have an additional topping such as cement based tile adhesives or topping slabs.

## FEATURES AND BENEFITS

- Dries to a clear finish
- Complies with Australian Standard AS3799
- Achieves water retention of 90% or greater
- Totally water based
- Single pack
- Reduces plastic shrinkage
- Meets low VOC requirements
- Can be applied by spray, roller or brush
- Will not yellow in sunlight
- Eliminates the need for curing by ponded water, damp hessian or polythene sheeting
- Seals concrete surfaces
- Takes most after trades
- Equipment washable in water

## TYPICAL PROPERTIES

|                  |                 |
|------------------|-----------------|
| Solids           | Acrylic 22% NVM |
| Appearance       | Milky White     |
| Specific Gravity | 1.00            |
| Flash Point      | NA              |
| Viscosity        | 20-50cps        |
| Tack Free time   | 30 mins         |
| Hard Dry         | 4 hours         |
| Trafficable      | 12 hours        |
| VOC              | <10g/L          |

**AS3799 Compliance Summary:**  
Achieves compliance to AS3799-1998 specification. Certificate available on request.

|                    |                   |
|--------------------|-------------------|
| Application Rate   | Curing Efficiency |
| 1L/5m <sup>2</sup> | >90%              |

## CURE & SEAL SYSTEM (AS3799 Compliant)

Aardcure WBS is recommended for use in conjunction with Finseal Glow WB water based sealer as a top coat. Apply Aardcure WBS at 1L/5m<sup>2</sup> at time of placement followed by Finseal Glow WB as the system topcoat, either on the same day or at the end of project after suitable preparation. This system is AS3799 compliant and provides a solution to construction issues with curing and subsequent coating compatibility.

**Please note:** If using Aardcure WBS as a first coat to the concrete and intend on applying a solvent based sealer as a top coat, such as Finseal Glow GP, the application of WBS must be applied at full coverage to the surface as areas not sealed completely by the Aardcure WBS will have a darkened appearance when the top coat is applied due to variations between solvent and water based products.

## APPLICATION GUIDELINES

### Surface Preparation

Areas to be treated must be clean, dry, free from sawcutting debris.

### Freshly Laid Concrete

After surface finishing the concrete must be free of bleed water and sufficiently set to be firm and able to be walked on without marking or damaging the surface.

To achieve stated curing efficiency Aardcure WBS must be applied on the day of the pour and not left overnight.

Care must be taken not to apply thick coats as excessive build may cause the film to blush when subjected to ponding which may be unsightly.

### Application Method

Assess the application area so that a fixed volume of mixed material can be applied over a fixed area to determine the correct application rate.

Agitate the material until thoroughly mixed to ensure effective curing properties.

Effective application temperatures are between 10°C and 35°C.

Application is recommended via low pressure spray unit. Spray at a sufficient rate to

achieve consistent coverage in even coats. A short nap roller can also be used for smaller applications.

Subsequent application as a sealer can be applied at 7-10m<sup>2</sup> per Litre. Apply the second coat in the opposite direction after the first coat is tack free.

## CURING TIME

Drying time is dependent on the temperature. The sealer is usually touch-dry in approximately 30 minutes at 25°C.

Protect the sealed surface from rain, water and sprinkler systems for a minimum of 6 hours - 72 hours is preferable. Accessible to foot traffic after 4 hours and vehicle traffic after a minimum of 12 hours.

## ESTIMATING DATA

Coverage to meet AS3799 moisture retention is 5m<sup>2</sup> per litre per coat. Coverage for a single coat application is 100m<sup>2</sup> per 20 litre drum.

The properties of the substrate such as porosity and profile will influence the coverage rate and number of coats required.

Subsequent application as a sealer can be applied at 7-10m<sup>2</sup> per Litre.

## VOC COMPLIANCE

Low VOC <10g/L

## CLEAN UP

Clean tools and equipment thoroughly with clean water before they dry.

## PACKAGING

20L plastic cube, 1000L IBC

## SHELF LIFE

1 year in unopened, factory sealed container, stored safely at temperatures between 5°C-35°C.

## SAFETY PRECAUTIONS

Always wear adequate personal protection during use including gloves, eye protection, overalls and appropriate mask. Apply in adequate ventilation. Refer to Material Safety Data Sheet for further safety information.

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