

## DESCRIPTION

Aardcure WHC is a blend of hydrocarbon resin and densifiers to create the highest performing curing compound in the Australian market.

The advanced formulation of Aardcure WHC combines the benefits found in effective curing while increasing the performance and lifespan of the concrete by introducing a specific catalyst that enhances the properties of concrete at the surface during curing and for the lifespan of concrete.

This unique formulation offers many advantages over existing resin-based curing compounds.

## USES

- Curing freshly laid concrete, smooth or textured surfaces, indoors or outdoors.

## FEATURES AND BENEFITS

### As a curing agent:

- Complies with Australian Standard AS3799
- Achieves water retention of 90% or greater
- Increased abrasion resistance & impact resistance
- Eliminates the need for curing by ponded water, damp hessian or polythene sheeting
- Reduces concrete dusting & plastic shrinkage
- Ability to "heal" shrinkage cracks during the curing phase
- One coat application
- Can be removed, if required, by stripper / degreaser
- Available as Type 1 (Clear), Type 1-D (Fugitive dye) and Type 2 (White)

### As a durability enhancer:

- Densifies and hardens the surface layer
- Stop surface dusting
- Increase in impermeability, chemical resistance and durability
- Densification of the surface for chloride protection

### Special Features

Due to its unique formulation and blend of resins, Aardcure WHC will begin to break down after 7 days and, if applied at the specified application rates, will totally oxidize and leave the surface, subject to UV exposure, within 45 – 55 days of the application. This reduces the need for

surface stripping in preparation for after trades.

## TYPICAL PROPERTIES

Solids	39% or greater
Appearance	Milky White
Specific Gravity	1.00
Flash Point	100°C
Viscosity	0.22 Pascal seconds
Tack Free time	1-3 hours
Hard Dry	4 - 8 hours
Trafficable	24 hours
UN Number	NA

### AS3799 Compliance Summary:

Achieves compliance to AS3799-1998 specification.

Application Rate	Curing Efficiency
1L/5m2	>90%

## APPLICATION GUIDELINES

### Surface Preparation

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

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 WHC must be applied on the day of the pour and not left overnight.

### 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.

## CURING TIME

Drying time is dependent on the

temperature. The sealer is usually touch-dry in approximately 1 hour at 25°C.

Protect the sealed surface from rain, for a minimum of 4 hours. 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 5m2 per litre per coat. Coverage for a single coats application is 100m2 per 20 litre drum.

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

## 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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