

DESCRIPTION

Aardcure BPP is a specially formulated bitumen emulsified hydrocarbon resin that forms an impervious film on concrete, preventing excessive water evaporation, promotes cement hydration, minimises shrinkage and increases concrete durability.

This uniquely formulated blend of bitumen resins and hydrocarbons performs a dual purpose by effectively curing concrete and priming concrete for asphalt and bitumen overlays. It is ideally suited to road and bridge construction where a concrete curing compound and bitumen primer can be applied in one application.

USES

- Curing freshly laid concrete, smooth or textured surfaces, indoor or outdoor.
- Roadways
- Bridge decks

FEATURES AND BENEFITS

- Complies with Australian Standard AS3799
- Achieves water retention of 90% or greater
- Reduces plastic shrinkage
- Can be applied by spray, roller or brush
- Eliminates the need for curing by ponded water, damp hessian or polythene sheeting
- Ideal primer for asphalt or bitumen overlay
- Cationic emulsion
- Totally water based with no odour

TYPICAL PROPERTIES

Solids	>50%
Appearance	Black free flowing liquid
Solubility in water	Soluble
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. Certificate available on request.

Application Rate	Curing Efficiency
1L/4.5m ²	>96%

APPLICATION GUIDELINES

Surface Preparation

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

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 (40psi). Spray at a sufficient rate to achieve consistent coverage in even coats. A short nap roller can also be used for smaller applications.

IMPORTANT

Aardcure BPP is NOT a "tack coat". Where required a "tack coat" should still be applied.

If opening to traffic, apply sand or fine stone to achieve a trafficable concrete surface prior to having an overlay and also to increase the abrasion resistance of the surface.

CURING TIME

Drying time is dependent on the temperature. The sealer is usually dry in 1-3 hours at 25°C.

Accessible to foot traffic when dry and vehicle traffic after a minimum of 24 hours.

ESTIMATING DATA

Coverage to meet AS3799 moisture retention is 4.5m² per litre per coat. Coverage for a single coat application is 90m² per 20 litre drum.

CLEAN UP

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

PACKAGING

20L plastic cube, 1000L IBC

SHELF LIFE

6 months 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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