

AARDCURE

WAX

DESCRIPTION

Aardcure WAX is a wax-based, sprayable curing compound formulated to cure freshly laid concrete. This membrane is suitable for curing of large infrastructure projects such as roadways. Formulated of specially blended waxes with low to medium viscosity and is white pigmented.

USES

- Curing freshly laid concrete, smooth or textured surfaces, indoor or outdoor.
- Roadways and infrastructure
- Dams and water infrastructure

FEATURES AND BENEFITS

- Available in clear or white pigmented
- 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
- Can be used as debonding agent

PROPERTIES OF TREATED CONCRETE

Solids	30.7%
Appearance	Milky White
Specific Gravity	1.00
Flash Point	100°C
Viscosity	0.2 Pascal seconds
Tack Free time	30 mins
Hard Dry	4 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/5m ²	>97%

APPLICATION GUIDELINES

Surface Preparation

Areas to be treated must be clean, dry, free from sawcutting 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 WAX 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 (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 Wax IS NOT COMPATIBLE WITH AFTERTRADES. If aftertrades are going to be applied, then mechanical removal of Aardcure Wax is required. If unsure, please contact VULK for further information.

After thirty to thirty-five (30-35) days the continuous film formed on the concrete surface will begin to degrade due to exposure to UV light. The rate of degradation will depend on the initial film thickness and the degree of UV exposure.

Use as a Debonding Agent

Aardcure Wax can be used as a debonding agent when applied to the concrete sub-base prior to pouring the concrete topping. This allows the two layers to expand and contract differentially without producing cracking.

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 5m² per litre per coat. Coverage for a single coats application is 100m² per 20 litre drum.

CLEAN UP

Clean tools and equipment thoroughly with clean solvent 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.

DISCLAIMER / STATEMENT OF RESPONSIBILITY

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