

AARDCURE

AA

DESCRIPTION

Aardcure AA is a low viscosity aliphatic alcohol blend in an aqueous solution. Aardcure AA is applied to freshly placed concrete surfaces, to reduce rapid water evaporation during the critical 'finishing' period of the concrete, particularly under adverse weather conditions such as high temperature, high winds and low humidity.

USES

- Freshly laid concrete, smooth or textured surfaces, indoor or outdoor.
- Coloured or dry shakes
- Stamped concrete
- Roads, bridges and hardstands
- Suitable for wood float, hand trowel or machine finished surfaces

FEATURES AND BENEFITS

- Reduces plastic shrinkage
- Will not affect adhesion of after trades
- Gives an improved finish to the concrete surface when trowelled or floated
- Has no effect on the cement hydration process
- Maintains a plastic and workable surface

TYPICAL PROPERTIES

Solids	NA
Appearance	Purple coloured liquid
Solubility in water	Soluble
Flash Point	NA
Boiling Point	>100°C
Density (20°C)	1.08 g/cm ³
UN Number	NA

APPLICATION GUIDELINES

Material Preparation

Thoroughly shake the undiluted Aardcure AA prior to dilution at desired rate.

Add water to the Aardcure AA at a recommended dilution rate of 1 part Aardcure AA to 9 parts water but higher concentrations can also be effective.

Application Method

Diluted Aardcure AA is applied after surface screeding but before the finishing process of the concrete. Agitate the material until thoroughly mixed.

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.

Application is recommended via low pressure spray unit. Spray at a rate of 1L/5m² to achieve consistent coverage in even coats.

After application, finishing of the concrete can continue. The film formed by Aardcure AA will reform during this process, depending on the amount of surface bleed water present.

Effective application temperatures are between 5°C and 40°C.

IMPORTANT

The fugitive dye (purple) contained within Aardcure AA will disappear within a few hours of application.

DO NOT over apply Aardcure AA as this can affect the water/cement ratio, causing the concrete surface to become weak or dusty.

In extreme wind or heat conditions it may be necessary to re-apply Aardcure AA to the concrete surfaces.

Aardcure AA IS NOT a curing compound. All concrete surfaces should be cured according to AS3600, using a curing compound that complies to AS3799 (90% minimum curing efficiency).

CURING TIME

Aardcure AA will evaporate as concrete finishing occurs and evaporation is dependent upon environmental conditions.

ESTIMATING DATA

20L of undiluted Aardcure AA will cover yield up to 200L of mixed material. At a 1:9 mix ratio, theoretical coverage is 1000m².

VOC COMPLIANCE

Low VOC <10g/L

CLEAN UP

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

PACKAGING

20L plastic cube concentrate

SHELF LIFE

6 months in unopened, factory sealed container. Safely stored 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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