AUAV00115 Dulux Avista Exposed Aggregate Surface Retarder

Introduction

Product Code
FD778167-20L

Product Overview and Image

Dulux Avista® Surface Retarder is a ready to use water-based retarder which is used on freshly laid concrete to reveal the aggregate content of the mix. It turns blue on application to the surface and can be washed off from 3-24 hours after application.

Features and Benefits

- Ready to use, no mixing required
- Waterbased
- Easy to see blue colour to ensure even coverage
- Long wash off time of between 3 to 24 hours
- Provides an attractive, decorative exposed aggregate finish
- Provides an excellent key for bonding subsequent renders or concrete, without the need for hacking or mechanical scabbling
- Economical and simple method of horizontal concrete surface revealing

Uses

Avista Surface Retarder is used to reveal aggregate in freshly placed horizontal concrete by delaying the surface set so that the mortar paste may be washed from between the aggregate particles, after the mass of the concrete has set. This produces an attractive exposed aggregate finish, or a key for subsequent pours or renders eg. floors, driveways and paving.

Typical Properties

Components
1

Clean Up

Water

Spray equipment should be cleaned immediately after use with hot water.

Application Methods

Air Spray Airless Spray

Typical Property Notes
Avista Surface Retarder is a stable water based solution and the active ingredients will remain in dispersion under sealed conditions. Avista Surface Retarder must not be diluted with any solvent or liquid.

Specific gravity: approximately 1.05 kg/L @ 20°C
Application Temperature: 10 - 30°C
Coverage: 3 - 5m² per litre per coat

Maintenances

Protect from extremes of temperature. Store between 5°C and 35°C.

Application Guide

Application Procedure and Equipment

1. Shake the product prior to use. Do not dilute contents.
2. Apply an even coating via spray unit (garden sprayer or similar) directly onto the exposed surface of the concrete as soon as the initial 'bleeding' has finished, but before 'initial set' has occured. When the retarder is sprayed on the concrete it will trun a blue colour making it easier to see when all the surface has been covered. Treated concrete surfaces must be protected from direct sunlight and wind which may cause the surface to dry out rapidly. During the treatment process the concrete should also be protected from dirt and rain. Adqueate curing producred are essential.
3. After 3-24 hours (up to 24 hours in extremely cool conditions), wash off using a high pressure water spraying unit (minimum of 2000psi) and a stiff broom to remove excess slurry. Care must be taken when using the high pressure unit to ensure the aggregate isn't removed. The time to remove the concrete paste is dependent on the type of concrete used, temperature, wind, humidity.

Health and Safety

SDS Number	SDS Link
PAR009638	View SDS Link

Please refer to SDS Link. In case of emergency, please call 1800 220 770.

Precautions and Limitations

Approval test - always pre test on a small section to determine the appearance achieved. This is particularly important with finer aggregates such as 6mm and 9mm and with concretes with accelerated set additives such as calcium chloride, heated or steam cured concretes, etc.

Proper curing of exposed aggregate surface is essential for maximum strength development.

High temperatures will reduce retardation and high cement contents will also reduce retardation. When retardation has finished, concrete will cure to its full strength.

It's important to expose aggregate earlier in warmer or windy conditions, so not to incur an early set making wash off difficult.

Disclaimer

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The correct colour or colour match is the responsibility of the applicator. Colours will change over time and Dulux does not guarantee that the same colour newly mixed will match a colour applied earlier which has been subjected to weathering or other change elements. No product colour is guaranteed against colour change.

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WHERE LEAD MAY BE PRESENT: The asset manager is responsible for verifying the presence of lead and determining whether to remove or encapsulate the lead. If lead is present, the work must be done in strict accordance with AS 4361 Parts 1 and 2 and Worksafe Australia guidelines.