

## Decorative flooring polymer flake

### Description

Avista Decorative Flake is a pigmented polymer flake individually coloured of irregular shape and sizes. Available in a selection of colours.

### Uses

Avista Decorative Flake is used in the decorative flake flooring system. For use in various commercial and domestic flooring applications.

Suitable application areas include:

- Garage floors
- Shops
- Warehouses
- Kitchen and laundries
- Offices
- Schools
- Showrooms

### Properties

<b>S.G:</b>	1 to 1.2
<b>UV Resistance:</b>	very good
<b>Solubility in water:</b>	insoluble in water

### Limitations

- Combustible.

### Supply

Avista Decorative Flake: 5 kg

### Coverage

10m<sup>2</sup> per box

### Shelf life

24 months, if kept unopened and stored in cool, dry conditions. After this time, product should be checked to ensure it's suitability for use.

### Storage Conditions

Store in cool, dry conditions away from moisture.

## Flake Flooring System - Application Instructions

### Option 1 - Avista Water Based Epoxy Resin , Avista Internal Epoxy Resin, Avista Flakes , Avista Polyurethane Sealer

Premium application method.

Approximate 4 day application after preparation.

#### System overview

- Avista Water Based Epoxy Resin as a primer
- Avista Internal Epoxy Resin tinted as a flake coat
- Avista Polyurethane as a top coat

#### Preparation

Ensure surface to be coated is free of all dirt, grease, oil, paint, curing agents and other contaminants.

- If the floor is smooth, grinding is advised. This will maximise adhesion.
- If paint or curing agent has been applied, grinding is necessary.
- Acid treatment is a secondary option. Acid etch with hydrochloric acid. Dilute approx 20 parts water to 1 part acid (depending on porosity) to remove any loosely bound cement and laitance.  
**NOTE:** smooth concrete will require a higher acid content. Maximum strength - 10 parts water to 1 part acid. Pressure clean immediately to clean and remove all remnants of acid (do not allow acid to dry on surface). Pressure clean at minimum 2000 psi (large open areas, example factories and warehouses, required for this preparation).
- Mask job where necessary.
- Repair all cracks and holes.
- Install coving if required.
- Do not apply over expansion joints.

#### Avista Waterbased Epoxy Resin Primer Coat Application

##### Mixing

- Mix A and B in correct proportions (1:1 by volume) in a clean, dry 20L bucket. Mix thoroughly for a minimum 3 minutes with mechanical mixer at low speed until mix colour is uniform (white).
- Transfer contents into separate clean bucket. Ensure no unmixed product remains in the first bucket. Mix again.
- Add 1 x 400ml Avista Waterbased Colour Tint per 10L kit. Mix thoroughly until even colour is achieved.
- Pot life, approximately 2-4 hours.

Note: First coat can be diluted up to 10% with water.

## Application base coat

- Roller applied. Roller tray required.
- Ensure coat is applied evenly.
- Allow to completely dry. Drying time 4-6 hours depending on conditions prevailing.
- Second coat may be required to ensure solid colour coverage.

## Avista Internal Epoxy Resin Tinted Flake Coat

### Mixing

- Mix Avista Internal Epoxy Resin Part A and Part B in correct proportions in a clean, dry 20L bucket. Mix thoroughly for a minimum 3 minutes with mechanical mixer at low speed.
- Add 1 litre of Avista Internal Flooring Colour Tint per 10 litre kit and mix again.
- Transfer contents into separate clean bucket. Ensure no unmixed product remains in the first bucket. Mix again.
- Pot life, approximately 25 minutes.

### Application

- Apply to surface with a low nap roller. Roller tray required for roller application.
- Ensure coat is applied evenly and full colour coverage is achieved.

**CAUTION:** After mixing Part A & Part B **DO NOT** re-lid mixed parts, resulting in an exothermic reaction.

### Applying Flake

**NOTE:** for self blending of flake colours, contact Parchem for advice.

- Remove flake from box and place in a suitable clean, dry bucket.
- Immediately after applying Avista Internal Epoxy Resin Coating and while resin is tacky, walk out on the job wearing spiked shoes and evenly sprinkle the dry flake over the surface.
- Ensure a full and even coverage.
- Roll down flake with hardened paint roller, or short nap roller left in plastic covering.
- Allow Avista Internal Epoxy Resin to cure (approximately 10-12 hours depending on conditions prevailing). Once completely dry, scrape any excess flake from the surface with an aluminium scraper or trowel. This ensures no loose or sharp protruding flake is left on the surface.
- Broom and discard excess flake.
- Vacuum thoroughly.

## Top Coats - Using Avista Polyurethane

### First coat

- Approximate coverage - 3m<sup>2</sup> per litre
- Decant the quantity of Avista Polyurethane required for immediate use only. The original container should be re-sealed immediately against moisture.
- Apply Avista Polyurethane by 100% mohair roller. Ensure even application.

### Application subsequent coats

- Two additional coats required.
- Approximate coverage - 6-10m<sup>2</sup> per litre.
- Second and third coats should be applied within 6-18 hours of previous coat, dependent on conditions prevailing. If too much time is allowed for cure, adhesion can be difficult to obtain on subsequent coats.
- If too much time has elapsed then the first coat will have to be abraded and solvent wiped to provide extra key before the second or third coats are applied.
- A slip resistant additive may be added to the final coat, particularly if the area gets wet. Refer to Avista Slip Reducing TDS. Gloss reduction will occur.
- When surface is thoroughly dry, a very light mist of water over the Avista Polyurethane will accelerate cure. Recommended pump action sprayer or small spray bottle.

## Option 2 - Avista Waterbased Epoxy / Avista Flakes/ Avista Polyurethane

Approximate 2 day application after preparation.

### System overview

- Avista Waterbased Epoxy
- Avista Decorative Flakes
- Avista Polyurethane Sealer

### Preparation

Ensure surface to be coated is free of all dirt, grease, oil, paint, curing agents and other contaminants.

- If the floor is smooth, grinding is advised. This will maximise adhesion.
- If paint or curing agent has been applied, grinding is necessary.
- Acid treatment is a secondary option. Acid etch with hydrochloric acid. Dilute approx 20 parts water to 1 part acid (depending on porosity) to remove any loosely bound cement and laitance.

**NOTE:** smooth concrete will require a higher acid content. Maximum strength - 10 parts water to 1 part acid. Pressure clean immediately to clean and remove all remnants of acid (do not allow acid to dry on surface). Pressure clean at minimum 2000 psi (large open areas, example factories and warehouses, required for this preparation).

- Mask job where necessary.
- Repair all cracks and holes.
- Install coving if required.
- Do not apply over expansion joints.

## Avista Waterbased Epoxy

### Mixing

- Mix A and B in correct proportions (1:1 by volume) in a clean, dry 20L bucket. Mix thoroughly for a minimum 3 minutes with mechanical mixer at low speed until mix colour is uniform (white).
- Transfer contents into separate clean bucket. Ensure no unmixed product remains in the first bucket. Mix again.
- Add 1 x 400ml Avista Waterbased Colour Tint per 10L kit. Mix thoroughly until even colour is achieved.
- Pot life, approximately 2-4 hours.

Note: First coat can be diluted up to 10% with water.

### Application base coat

- Roller applied. Roller tray required.
- Ensure coat is applied evenly.
- Apply minimum 2 coats.
- Third coat may be required to ensure solid colour coverage.
- Allow approximately 4 hours between coats, depending on conditions.

### Applying Flake

**NOTE:** for self blending of flake colours, contact Parchem for advice.

- Remove flake from box and place in a suitable clean, dry bucket.
- Avista Water Based Epoxy must have adequate film build for flake to adhere to. Do not allow to dry prior to applying flake as this can result in a patchy appearance. Suggest completing this step in manageable sections, by rolling approximately 10m<sup>2</sup> and applying flake whilst area still wet.

- Immediately after applying Avista Water Based Epoxy coating and while resin is tacky, walk out on the job wearing spiked shoes and evenly sprinkle the dry flake over the surface.
- Ensure a full and even coverage.
- Roll down flake with hardened paint roller, or short nap roller left in plastic covering. This should be done only if full flake system is applied.
- Allow Avista Water Based Epoxy to cure (approximately 4-6 hours depending on conditions prevailing). Once completely dry, scrape any excess flake from the surface with an aluminium scraper or trowel. This ensures no loose or sharp protruding flake is left on the surface.
- Broom and discard excess flake.
- Vacuum thoroughly.

## Top Coats - using Avista Polyurethane

### First coat

- Approximate coverage - 3m<sup>2</sup> per litre
- Decant the quantity of Avista Polyurethane required for immediate use only. The original container should be re-sealed immediately against moisture.
- Apply Avista Polyurethane by 100% mohair roller. Ensure even application.

### Application subsequent coats

- Two additional coats required.
- Approximate coverage - 6-10m<sup>2</sup> per litre.
- Second and third coats should be applied within 6 -18 hours of previous coat, dependent on conditions prevailing. If too much time is allowed for cure, adhesion can be difficult to obtain on subsequent coats.
- If too much time has elapsed then the first coat will have to be abraded and solvent wiped to provide extra key before the second or third coats are applied.
- A slip reducing additive may be added to the final coat, particularly if the area gets wet. Refer to Avista Slip Reducing Additive TDS. Gloss reduction will occur.
- When surface is thoroughly dry, a very light mist of water over the Avista Polyurethane will accelerate cure. Recommended pump action sprayer or small spray bottle.

# Avista™ Decorative Flakes

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## Supply

100461	AVS INT FLOORFLAKES DRIFTWOOD 5KG
100466	AVS INT FLOOR FLAKES GREYWACKE 5KG
100467	AVS INT FLOOR FLAKES BLACK MARBLE 5KG
100468	AVS INT FLOOR FLAKES MIDNIGHT MARBLE 5KG
100469	AVS INT FLOOR FLAKES GREY GRANITE 5KG
100470	AVS INT FLOOR FLAKES BLACK GRANITE 5KG

## Cleaning

Clean up Avista Internal Epoxy and Avista Polyurethane with Avista Solvent.

Clean up with water when using Avista Waterbased Epoxy.

## Safety

Recommended PPE:

- Organic vapour respirator mask
- Solvent resistant gloves
- Safety eye wear
- Appropriate foot wear

### Important notice

A Safety Data Sheet (SDS) and Technical Data Sheet (TDS) are available from the Parchem website or upon request from the nearest Parchem sales office. Read the SDS and TDS carefully prior to use as application or performance data may change from time to time. In emergency, contact any Poisons Information Centre (phone 13 11 26 within Australia) or a doctor for advice.

### Product disclaimer

This Technical Data Sheet (TDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this TDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Parchem does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.

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