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**SHIMICOAT**  
SURFACE SOLUTIONS



# Polyaspartic Flake Floor Finishing System

## *An Installation Guide*

Following is a step by step guide to install Polyaspartic Flake Floor Finishing System using Shimicoat Products and Materials over concrete surface floor.

### Products and Materials

1. Epoxy or Polyaspartic Repair Kit
2. Tinted Polyaspartic in your choice of colour
3. Flake in your choice of colour and design
4. Full/Dense/Bodied Broadcast: 0.5kg/sqm
5. Partial/Sparse/Light Broadcast: 100g/sqm or any ratios (personal choice)
6. Ultra Clear Polyaspartic Topcoat, UV Stable Topcoat (Outdoor)
7. Diluent / Thinner

### Tools:

1. Electric mixer or stick for missing resin
2. Brush and Rollers
3. Extendable Handle / Pole
4. Buckets
5. Vacuum or blower to clean up the surface
6. Scraper (ONLY for full broadcast 4.5Kg/10sqm)
7. Spike shoes (Optional)

 MATERIALS  CHEMICALS  RESINS  EQUIPMENT

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## Installation:

### Surface Preparations:

1. Prepare the floor by concrete grinding and removal of surface materials.
2. Use Epoxy or Polyaspartic Repair kit as required to fill any cracks, holes or damages on the surface.
3. Ensure the surface is perfectly clean and free of oil and grease. If grinder is unavailable, acid wash and make sure you wash, rinse and flush with detergent to neutralize the surface and remove all acid residue.
4. Vacuum and/or blow out to remove dust from the surface.
5. Tape all around the walls and cover all surfaces that you wish NOT to be Polyaspartic coated.

**NOTE:** For further information on surface preparation, please refer to our brochure, website or contact Shimicoat technical representative.

### Basecoat Application and Flake Broadcast:

1. Mix Tinted Polyaspartic in small portion that you can manage to apply. Tinted Polyaspartic has a maximum of 15min Pot Life, plan to complete your application within 15minuts.
2. Ideally, we recommend mix 1.5Lt of Part A and 1Lt of Part B (2.5Lt blend) for one or two people working on a small double garage floor.
3. Apply the Tinted Polyaspartic to corners, edges first then the main floor.
4. While still wet, broadcast flake at your desired density, Full Broadcast or Partial Broadcast.
  - a. Full/Dense/Bodied Broadcast: 0.5kg/sqm
  - b. Partial/Sparse/Light Braodcast: 100g/sqm or any ratios (personal choice)
5. Remember wet-edge allowance, always leave a wet skirting (20-30cm) to be flaked with the next area of coating. Avoid coating over Flakes.
6. Let it cure. 2-3 hours for Fast Floor Polyaspartic.

**NOTE:** Add EpoDil, Polyaspartic Diluent or Xylene up to 10% to thin the product, only if required for example in cold days.



### Topcoat Application:

1. Test to ensure fully cured by twisting your thumb on flake. It should feel solid and dry with strong bonding of flake to Polyaspartic surface.
2. Test for dryness by twist and turning your thumb over the surface and ensure flakes are attached and boned.
3. Use a garden blower or vacuum to recover excess and unbound Flakes from the surface.
4. Use a floor scrapper on low angle on both directions to achieve smooth finish surface.
5. Use a blower to remove all flakes from floor.
6. Mix your Clear Topcoat Polyaspartic in accordance to label instruction (1A:1B) and pour onto the surface.

**NOTE:** Now you are on the clock, DO NOT waste time, initiate application. You must be prepared for application. One person applies the corners and edges using mini-roller or a brush and another person apply to the main floor. Ideally, pour the resin on the floor, to cool down and to slow down the curing process. Apply and roll evenly.

7. The pot life of Ultra Clear Polyaspartic is 15min, plan your work to be completed well within 15min.
8. Ideally, mix 2-4Lt at a time.
9. When, you are happy with the topcoat, take the masking tapes off the walls as it will a bit more difficult to take off when cured, as you will need Stanly knife to cut off the tapes.
10. Clear the floor, wipe and clean all your tools.
11. Let it cure (4 hours). The floor is cured after 4 hours, trafficable and you can use the floor, however, NO driving or stretching furniture over the floor for one day. Treat it with care, especially during the first day of curing process.
12. It takes one day till the Polyaspartic reaches its optimal hardness and strength.

Please view our Youtube Polyaspartic Flake Floor Installation:

[https://www.youtube.com/watch?v=yFzv5Mqb\\_5w](https://www.youtube.com/watch?v=yFzv5Mqb_5w)





For further advise, please refer to our brochure, website or contact technical team at Shimicoat.

**DISCLAIMER**

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*This information and all further technical advice are based on our present knowledge and experience.*

*The customer is not released from the obligation to conduct careful inspection and testing of supplied goods.*

End of Procedure.