

## Product Data Sheet | Flowseal PA-2, PA-2 EW

### Product Description

Flowseal PA-2 is a two component, fast curing, UV stable, chemical resistant and high gloss Polyaspartic sealer or receiving coating. Also available in Extended Working (EW) time Part B formula for improved ease of application in hot and/or humid environments\*\*.

### Uses

Flowseal PA-2 is designed for use as a fast-curing UV stable sealer for various Flowfresh broadcast systems, also for epoxy based broadcast systems, including decorative color flake and color quartz systems. Refer to FlowResin's Chemical Resistance Guide or consult Technical Service when selecting for a particular application.

Note: Flowseal PA-2 is not designed for use as a sealer over smooth coatings.

### Ratio of Components and Mixing Instructions

Units Available: 4 gallons, 10 gallons

1:1 Mix Ratio (typical batch size is 2 gallons Part A : 2 gallons Part B, or 1 gallon Part A : 1 gallon Part B)

- Premix Part A and Part B separately before combining. If using a partial container, use a separate jiffy mixer for each component to avoid cross contamination. Pour Part A and Part B into a clean 5 gallon pail (or use a 3.5 gallon pail for 2 gallon batches) and mix for 2-3 minutes using a slow-medium speed drill with a jiffy mixer, taking care not to entrain air.
- If tinting with Universal Color Packs (UNVCP), add 1 can UNVCP per 4 mixed gallons, depending on color and thickness, confirm with sample or mockup.
- Scrape the sides of the mixing pail at least twice during the mixing process.
- Thinning: Not normally required. Thin with up to 10% by volume of acetone if needed.

### Application Procedure and Coverage Rate

Immediately after mixing, pour material onto floor in 8"-12" wide strips, spread with a rubber squeegee, back roll using a 3/8" lint free roller with phenolic core.

- Use only the material that flows naturally out of the container. Do not scrape material from sides or bottom of the container onto floor. Do not turn container upside down on floor to drain material. Otherwise unactivated material may be applied resulting in soft spots.

Always maintain a leading edge strip of material as squeegee application progresses across the floor, do not let the strip run out. Pour next mix of material into the leading edge strip in a continuous process until completely finishing an area. Not following this procedure may result in a visible knit line between mixes.

Coverage Rate: Install at approximately 100-125 sq ft per gallon as a grout coat onto a silica sand or color quartz broadcast system, or 100-160 sq ft per gallon over color flakes. Coverage listed is theoretical, actual coverages may vary based on substrate and site variations. Flowseal PA-2 contains an exempt solvent with moderate odor. Thicker films will take longer for full properties to develop until all the solvent leaves the system.

*\*\*Flowseal PA-2 EW provides extended working time compared to traditional polyaspartic coatings. High humidity or high temperature can significantly reduce working time and/or cause surface imperfections.*



### **Application Temperature**

The recommended substrate and air temperature is 60°F-85°F, but no less than 40°F. For substrate and air temperatures >85°F use Extended Working (EW) time formula. The temperature of the substrate should exceed the “dew point” by 5°F and air RH less than 75% during application and hardening. Temperatures should not fall below 60°F in the 24hrs after application unless additional time is allowed for proper hardness development. Do not apply in direct sunlight or when temperature is rising.

### **Application Time/Pot Life**

At 70°F, ready-mixed product should be used within 20-25 minutes. Material will remain fluid in the pot longer than when poured onto the floor. Once applied, the material has 10-15 minutes to work with before it will begin to thicken. Application Time/Pot Life is shortened at higher temperatures and humidity levels, consider using EW formula for increased working time.

### **Curing Time (70°F, 50% RH)**

Regular Cure Formula: Maximum recoat time 12 hours. Later recoat requires sanding. Can be walked on after 3-4 hours. Vehicle traffic after 24 hours, depending on applied thickness. The product is fully hardened after 5-7 days. Do not cover or wash within the first 24 hours of curing.

Extended Working (EW) Time Formula (>85°F): Vehicle traffic after 36-48 hours depending on applied thickness. Do not cover or wash within the first 48 hours of curing.

Good ventilation and the correct humidity are prerequisites to achieve the above drying times. Ambient humidity should ideally be between 30% RH and 80% RH during application and cure.

### **Color**

Clear. May be tinted with Universal Color Packs (UNVCP-000). Add 1 can UNVCP per 4 mixed gallons, depending on color and thickness, confirm with sample or mockup. Reference FlowResin’s Technical Data Sheets and Color Chart for more information.

### **Solids Content**

80%

### **Finish**

Gloss

### **VOC**

<50 g/L

### **Density**

A+B approx. 9.0 lbs/gallon (1.1 kg/L)



**Storage**

6 months in unopened container. Storage temperature 50°F-90°F. Protect from weather and moisture/contaminant ingress.

**Packaging**

The product is delivered A+B in the following kits:

Unit	Part A	Part B
4 Gallons	2 Gallons	2 Gallons
10 Gallons	5 Gallons	5 Gallons

**Physical Properties**

Property	Result	Test Method
Elongation at Break	100%	ASTM D412
Abrasion Resistance	28 mg weight loss after 1000 cycles	ASTM D4060/CS17 wheel
Film Hardness	78 shore D	ASTM D2240
Tensile Strength	6,000 psi	ASTM D412
Compressive Strength	9,400 psi	ASTM C695
Gloss	90+	ASTM D523 @60°
Chemical Resistance	Contact FlowResin Technical Service	

**Environment & Health**

Flowseal PA-2 is a nonylphenol free product. Follow the appropriate Occupational Health and Safety Guidelines applicable to the location where the application is undertaken. For more information, please refer to FlowResin’s Safety Datasheets for the individual components.

**Further Information**

If you would like additional information, please consult with our Technical Service Team at the number listed below or visit our website to register your interest in specifying a FlowResin flooring system.

*Disclaimer: Any recommendation or suggestion relating to the use of the products made by Key Resin Company, whether in its technical literature, or in response to a specific enquiry, or otherwise, is based upon data believed to be reliable, however the products and information are intended for use by Customers having requisite skill and know-how in the industry and therefore it is for the Customer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that the Customer has done so at its sole discretion and risk.*