



Product Data Sheet | Flowseal PA

Product Description

Flowseal PA is a two component, fast curing, UV stable and chemical resistant gloss Polyaspartic sealer or receiving coating. It provides extended working time compared to traditional Polyaspartic coatings.

Uses

Flowseal PA is designed for use as a fast-curing UV stable sealer or receiving coat for a wide variety of FlowResin flooring systems. Refer to FlowResin's Chemical Resistant Guide or consult Technical Service when selecting for a particular application.

Ratio of Components

Unit: 3 gal.

2:1 Mix Ratio (Base A : Hardener B)

- Begin mixing Hardener B into Base A using a drill with a jiffy-type mixer to disperse all components, taking care not to entrain air.
- Continue mixing for 2-3 minutes until the mixture is evenly blended.
- Scrape the sides of the mixing container at least twice during the mixing process.

Application Rate

Installed at approximately 100-125 sq ft per gallon as a lock coat onto a broadcast system using silica sand, broadcast medium color quartz or color flakes. 200-250 sq ft per gallon for non-textured floors. Coverage listed is theoretical, actual coverages may vary based on substrate and site variations. Flowseal PA does contain an exempt solvent. Thicker films will take longer for full properties to develop until all the solvent leaves the system.

***Flowseal PA provides extended working time compared to traditional polyaspartic coatings. High humidity and/or high working temperatures can significantly reduce work times and/or cause surface defects.*

Application Temperature

The recommended substrate temperature is 70°F-85°F, but no less than 60°F.

The temperature of the substrate should exceed the "dew point" by 5°F during application and hardening. Temperatures should not fall below 50°F in the 24 hrs after application.

Application Time/Pot Life

At 70°F, ready-mixed product should be used within 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 before it will begin to thicken and possibly roll in skins.

Application Time/Pot Life is shortened at higher temperatures and humidity levels.

Curing Time (70°F, 50% RH)

Maximum recoat time 24 hours. Later recoat requires sanding. Can be walked on after 12-14 hours. The product is fully hardened after 5-7 days. **Important:** Thicker application rate and/or cooler temperatures and/or lower humidity will lengthen minimum curing time needed to achieve adequate

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hardness for foot traffic, placement of protective covering, washing or exposure to wheeled traffic. Test an inconspicuous area to confirm adequate hardness development.

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

Color

Clear. May be tinted with UNVCP Universal Color Packs available in FlowResin Standard Colors. Mix ratio is 1 UNVCP/3 mixed gallons Flowseal PA. Light colors and Traffic Yellow/Red may require several coats for adequate hiding. Note: UNVCP color packs will reduce the application working time. Note: If pre-tinting part A use all tinted material the same day, otherwise color tone will darken over time.

Solids Content

>90%

Finish

Gloss

VOC

<50 g/L. Compliant with VOC criteria for Floor Coatings Rule 1113.

Density

Component A approx. 1.09 kg/l (9.10 lbs/gallon)

Component B approx. 1.16 kg/l (9.70 lbs/gallon)

A+B approx. 1.12 kg/l (9.36 lbs/gallon)

Storage

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

Packaging

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

Unit	Base A	Hardener B
3 Gallons	2 Gallons	1 Gallon

Physical Properties

Property	Result	Test Method
Elongation at Break	10%	ASTM D638
Abrasion Resistance	50 mg weight loss after 1000 cycles	ASTM D4060/CS17 wheels

Environment & Health

Flowseal PA 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 Data Sheets for the individual components.

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Further Information

If you would like additional information, please consult our Technical Advisory 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.