

Technical Data Sheet

PATC POLYASPARTIC TOPCOAT

500 Square Foot Kit

Description

PATC POLYASPARTIC TOPCOAT is a two-component, VOC compliant, fast-setting polyaspartic coating that is the toughest available. It has been designed to provide exceptional adhesion to epoxy primers and concrete, excellent resistance to the widest range of corrosive chemicals, surprising flexibility, and outstanding abrasion resistance. Furthermore, its industry-leading self-leveling property ensures a coating free of defects. Simply stated, it is idiot-proof.

Advantages

- It is the toughest and most durable floor coating available.
- VOC compliant.
- Complies with USDA and health department regulations for application on floors in commercial kitchens.
- The best long-term durability with the best mechanical properties.
- Virtually stain free because of high resistance to UV and the widest range of corrosive chemicals.
- Hot-tire resistance exceeding solvent-borne coatings.
- Can be applied in temperatures as low as 10°F.
- Easy to use 1:1 mix ratio.
- Easy mixing with a stir stick.
- For an anti-slip coating, add anti-slip additive when mixing.
- Best self-leveling property ensures a coating free of defects, even when applied by novice installers.
- Fast turnaround time makes it possible to perform the work overnight when the establishment is closed for the night. The floor will be ready for light foot traffic when the establishment opens in the morning.

Uses

- To protect by sealing and waterproofing horizontal interior or exterior concrete substrates from degradation due to moisture, salts, wear and spillage.
- To protect over other topcoats or primers due to its excellent resistance to abrasion and damages from impacts.
- By utilizing our proprietary anti-slip additive for floors, mops and brooms will not be damaged when cleaning the floors. Furthermore, the floors will be easy to clean.

Application Notes

- Application Temperature Range can be as low as -5 °F (-21 ° C)
- Tack free dry time is 30-45 minutes hours depending on the temperature, up to 120 minutes in colder temperatures.
- Pot Life is 30 minutes if mixed according to our instructions.
- Recoat time is 24 hours. After 24 hours, you must perform the following procedures: Light acetone wash and wipe. Acetone wash is recommended because it eliminates dust and opens the pores to provide maximum adhesion.
- PATC Topcoat's primary purpose is superior protection of the coating underneath. Proper application will result in film hardness of Shore D85.
- **Do Not Dilute.**
- Full Cure is 3 Days.

1. **Area Coverage.** You will get area coverage of 300-500 square feet depending on if your application is over flakes or a flat surface.

2. **Mixing.** If color is desired, add color to Part B. Mix Part A with Part B on a 1:1 ratio. **Mix manually** using a stir stick with minimal turns (6 – 10 turns only). Mix until both parts and color are blended. **DO NOT OVERMIX and MIX SLOWLY.**

3. **Application.** Standard Industry application techniques apply. Pour PATC out on surface directly after mixing. Apply using standard squeegee and backroll with the specified roller. Working time is 50 to 60 minutes.

4. **Film Thickness.** Apply at 4 mils, backroll evenly for a fine finish.

5. **Dry Time.** Allow 4 hours for light foot traffic.

Anti Skid Additive

Wait at least 60 minutes to apply another coat of PATC with Anti-Skid Additive.

1. When anti-slip property is desired, apply another coat of Polyaspartic as follows:

a. Add up to 4% anti-skid additive to Part A. If color is desired, add color to Part A. Mix manually with a stir stick as directed.

b. Mix Part A with Part B on a 1:1 ratio the same way as before. Mix in smaller batches to ensure working time is adequate.

c. **Do not pour the mixture onto the floor.** Dip the roller into the mixing container and spread over the floor. Apply thin. Apply at film thickness of 3 mils.

d. Dry Time. Allow 2 hours for light foot traffic. Full cure is 3 Days.

General Data

Solids Content	80%
VOC	Compliant
Viscosity	300cP (70°F)
Finish	High gloss clear
Working Time (Pot Life)	45 - 60 minutes (70°F)
Area Coverage	500 square feet per kit
Mix Ratio	1:1
Mix Method	Manual with stir stick (Jiffy mixer with anti-slip)
Thinning	Do Not Thin
Color Tinting	Add colorant 1% by volume
Dry Time (70°F)	Tackfree: 1 hours Light foot traffic: 4 hours Full cure: 2 days
Recoat Window	1 to 24 hours
Standard Colors	Charcoal, Slate Grey, Terra Cotta, Mocha

Technical Data

Hardness	Shore D-85
Adhesion (ASTM D4541)	Concrete 400 psi Epoxy primer >1,000 psi
Tensile Strength	8,100 psi
Elongation	5.2%
Flexibility (40 mils bent at 0° without breaking)	100%
Taber Abrasion (ASTM D4060)	48 mg loss
Impact (ASTM D2794)	150 (direct & reverse)
Gloss (ASTM D523)	90+

Storage

- Store at moderate temperatures. Keep away from direct sunlight.
- Protect both Part A and Part B from freezing.

Shelf Life

- 1 year unopened and under good storage conditions.

Disclaimer

This information is presented to the best of our knowledge at the date of publication. It is offered without warranty, both express and implied, regarding the accuracy or the results to be obtained from the use of such information and is intended for use by persons who are experienced and knowledgeable.