EPOXY49

POLYASPARTIC 49 | PART A — RESIN

CLEAR TOPCOAT (99% SOLIDS) • MIX RATIO: 1:1 BY VOL / WEIGHT • 5 GAL PAIL — PART A (RESIN: 19.0 KG NET)

PART A
RESIN

TECHNICAL ALERT: RAPID CURE | WORKING TIME 15-20 MIN | SUBSTRATE >5°F ABOVE DEW POINT

SOLIDS: 98-99% HIGH SOLIDS

DRY TO TOUCH: 2 HOURS @ 72°F

LIGHT FOOT: 4-6 HOURS

FULL VEHICLE: 24-48 HOURS

PHYSICAL PROPERTIES TABLE

Solids Content	98% - 99% (D2697)
Mix Ratio (A:B)	1:1 by Vol or Weight
Mixed Viscosity	400 - 600 cps
Pot Life (72°F, 50% RH)	15 - 20 Minutes
Shore D Hardness	80 - 82 D (D2240)
Taber Abrasion	<25 mg (CS-17, 1k cyc)
UV Stability (QUV)	2,000+ Hrs (No Yellow)
Hot-Tire Defense	Unaffected @ 140°F
Tensile Strength	6,500 psi (D638)
VOC Content	<50 g/L (SCAQMD 1113)
Specific Gravity	A: 1.07 | B: 1.07
Dry to Touch Time	2 Hours @ 72°F
Light Foot Traffic	4 - 6 Hours @ 72°F
Full Return to Service	24 - 48 Hours @ 72°F

MIXING & APPLICATION INSTRUCTIONS:

- **Substrate Readiness:** Base coat must be tack-free. If epoxy cured >24 hrs, abrade with 120-grit screen.
- **Dew Point Check:** Substrate temperature must be at least 5°F (3°C) above the calculated dew point.
- **Mix Ratio:** Accurately combine 1 Part A to 1 Part B by volume or weight in a clean container.
- **Mechanical Mix:** Blend 2 minutes with spiral paddle at 350 RPM. Do NOT aerate or whip micro-bubbles.
- **Rapid Working Time:** Working time is 15-20 min. Higher humidity significantly accelerates curing speed!
- **Immediate Placement:** Pour ribbon immediately onto floor. Pull with flat squeegee or magic trowel.
- **Cross-Rolling:** Immediately back-roll in both directions with 18" 3/8" nap lint-free roller.
- **Smooth Topcoat:** 200-250 sq. ft./gal (400-500 sq. ft. per 2-gal kit) applied at 6-8 wet mils.
- **Flake Grout Coat:** 125-160 sq. ft./gal (250-320 sq. ft. per 2-gal kit) applied at 10-12 wet mils.
- **Thickness Limit:** Never apply >12 wet mils per coat. Over-application causes solvent/moisture haze.
- **Tool Cleanup:** Clean all rollers and squeegees immediately with MEK or Acetone.

OSHA GHS HAZARD — PART A (RESIN)



SIGNAL WORD: **WARNING**

H317: May cause an allergic skin reaction (Polyaspartic Acid Ester Resin — Component A).
H319: Causes serious eye irritation.
H412: Harmful to aquatic life with long lasting effects.

Eye Contact: Rinse cautiously with water for 15 minutes. Remove contact lenses. Seek eye doctor if irritation persists.
Skin Contact: Wash skin immediately with abundant soap and water. Wash contaminated clothing before reuse.
Inhalation: Move exposed person to fresh air and keep at rest in a position comfortable for breathing.
Ingestion: Rinse mouth thoroughly with water. Never induce vomiting. Seek medical advice.

P261: Avoid breathing vapors or spray mist.
P273: Avoid release to the environment.
P280: Wear nitrile gloves, protective clothing, and chemical splash goggles.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for 15 minutes.
P501: Dispose of contents/container in accordance with local regulations.

STORAGE & PPE:

- Store indoors dry at 60°F-80°F (15°C-27°C)
- Part B is highly moisture sensitive; seal immediately
- Protect from humidity, freezing, and direct sunlight
- 12-Month shelf life in original unopened container

PPE: Nitrile • Goggles • Vapor Mask

24-HR CHEMTREC HOTLINE: 1-800-424-9300

UV & Weatherability: Pure aliphatic structure provides permanent non-yellowing protection against sunlight.
Hot-Tire Defense: Crosslinks to impervious Shore D 82 finish, resisting 140°F hot-tire plasticizer migration.
Curing Kinetics: Atmospheric moisture accelerates cure. High humidity reduces working time significantly.

Lot: 21273971-A

NET: 5 GAL PAIL — PART A (RESIN: 19.0 KG NET)

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