EPOXY49

POLYASPARTIC 49 | PART B — HARDENER

CLEAR TOPCOAT (99% SOLIDS) • MIX RATIO: 1:1 BY VOL / WEIGHT • 5 GAL PAIL – PART B (HARDENER: 19.0 KG NET)

PART B
HARDENER

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 B (HARDENER)



SIGNAL WORD: **DANGER**

H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H332: Harmful if inhaled (Aliphatic Polyisocyanate Prepolymer).
H334: May cause allergy or asthma symptoms if inhaled.
H335: May cause respiratory irritation.

Eye Contact: Rinse cautiously with water for 15 minutes. Remove contact lenses. Seek immediate eye doctor.
Skin Contact: Wash affected area immediately with abundant soap and water. Discard contaminated leather.
Inhalation: Move patient to fresh air. If experiencing asthma-like symptoms, call physician immediately.
Ingestion: Rinse mouth thoroughly with water. Never induce vomiting. Seek immediate medical advice.

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
P280: Wear protective gloves, protective clothing, eye and face protection.
P284: [In case of inadequate ventilation] wear NIOSH organic vapor respirator.
P304+P340: IF INHALED: Remove victim to fresh air and keep comfortable for breathing.
P342+P311: If experiencing respiratory symptoms: Call a POISON CENTER or doctor.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses.
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-B

NET: 5 GAL PAIL – PART B (HARDENER: 19.0 KG NET)

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