EPOXY49 | PART A — RESIN

HIGH PERFORMANCE CLEAR FLOOR EPOXY • MIX RATIO 2A : 1B BY VOLUME • 5 GAL PAIL — PART A (RESIN: 20.0 KG NET)

PART A
RESIN

ATTENTION: POUR MIXED MATERIAL IMMEDIATELY ONTO FLOOR IN RIBBONS — DO NOT LEAVE IN BUCKET

INITIAL CURE: 4-6 HOURS	FINAL CURE: 48-72 HOURS	HARDNESS: SHORE D 82-85	COVERAGE: 125-150 SQ FT / 3-GAL KIT (FLOW)

PHYSICAL PROPERTIES TABLE

Solids Content	100% (ASTM D2697)
Mix Ratio (A:B)	2:1 by Volume
Mixed Viscosity	700 - 900 cps
Shore D Hardness	82 - 85 D (D2240)
Tensile Strength	7,800 psi (D638)
Compressive Strength	11,500 psi (D695)
Flexural Strength	9,800 psi (D790)
Concrete Adhesion	>400 psi (Slab Fail)
Water Absorption	<0.10% (D570)
VOC Content	<10 g/L (EPA 24)
Pot Life (72°F Mass)	20 - 30 Minutes
Working Time on Slab	30 - 45 Minutes
Light Foot Traffic	24 Hours @ 72°F
Full Vehicle / Tire	72 Hours @ 72°F

MIXING & APPLICATION INSTRUCTIONS:

- **Mechanical Prep:** Grind concrete to ICRI CSP 2-3 profile. Vacuum slab dust-free.
- **Moisture Check:** Slab must test <3 lbs MVER or <75% RH. If higher, apply MVB 49.
- **Pigment Incorporation:** Pre-mix 1 jar (150g) Epoxy49 Metallic Pigment per gal Part A.
- **Mix Ratio:** Accurately combine 2 Parts A to 1 Part B by volume in clean mixing pail.
- **Mechanical Mix:** Blend 3 minutes with spiral paddle at 350 RPM. Scrape bucket sides.
- **Immediate Placement:** Empty contents immediately onto floor in continuous ribbons.
- **Spread & Back-Roll:** Spread with 18" Magic Trowel or notched squeegee; back-roll with 3/8" nap.
- **Coverage Yield:** Metallic flow: 125–150 sq. ft. per 3-gal kit (32–40 wet mils). Neat: 300–450 sq. ft.
- **Artistic Movement:** Mist 91% Isopropyl alcohol within 20 min to create custom marbling effects.
- **Recoat Window:** 8 to 24 hours. If >24 hrs, mechanically abrade with 80-grit screen.
- **Tool Cleanup:** Clean squeegees, rollers, and mixers immediately with Xylene or MEK.

OSHA GHS HAZARD — PART A (RESIN)



SIGNAL WORD: **WARNING**

H315: Causes skin irritation (Bisphenol-A Epoxy Resin — Component A).
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H411: Toxic to aquatic life with long lasting effects.

Eye Contact: Rinse cautiously with water for 15 minutes. Remove contact lenses. Seek medical attention.
Skin Contact: Wash thoroughly with plenty of soap and water. Remove contaminated clothing before reuse.
Inhalation: Move person to fresh air and keep comfortable for breathing. Call doctor if unwell.
Ingestion: Rinse mouth with water. Do NOT induce vomiting. Seek medical attention if unwell.

P261: Avoid breathing mist, vapors, or spray.
P273: Avoid release to the environment. Collect spillage.
P280: Wear chemical-resistant nitrile gloves, protective clothing, and eye protection.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for 15 minutes.
P501: Dispose of contents/container in accordance with local/regional regulations.

STORAGE & PPE:

- Store indoors dry at 60°F–85°F (15°C–29°C)
- Do not allow to freeze; keep away from direct heat
- Component B is moisture sensitive; seal tightly
- 12-Month shelf life in original unopened container

PPE:  Nitrile • Goggles • Vapor Mask

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

Chemical Resistance: Resistant to oil, gasoline, salts, mild acids, and hydraulic brake fluids.
Environmental: VOC compliant under SCAQMD Rule 1113. Non-regulated for ground transport.
Disposal: Allow liquid components to fully react and cure into inert solid polymer before disposal.

Lot: 21273971-A

NET: 5 GAL PAIL — PART A (RESIN: 20.0 KG NET)

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