EPOXY49

PRIMER 49 | PART A — RESIN

DEEP-PENETRATING ADHESION PRIMER • MIX RATIO: 2:1 BY VOLUME • 5 GAL PAIL — PART A (RESIN: 20.0 KG NET)

PART A
RESIN

APPLICATION ALERT: 100% SOLIDS DEEP PENETRATION — LOW MOISTURE SLABS (<3 LBS MVER)

INITIAL TACK-FREE: 4-6 HOURS | **RECOAT WINDOW: 6-24 HOURS** | **VISCOSITY: 400 CPS (DEEP PEN)** | **COVERAGE: 200-250 SQ FT / GAL**

PHYSICAL PROPERTIES TABLE

Solids Content	100% (ASTM D2697)
Mix Ratio (A:B)	2:1 by Volume
Mixed Viscosity	350 - 450 cps
Shore D Hardness	80 - 82 D (D2240)
Tensile Strength	7,200 psi (D638)
Compressive Strength	10,800 psi (D695)
Concrete Adhesion	>450 psi (Slab Fail)
Tack-Free Time	4 - 6 Hours @ 72°F
Recoat Window	6 - 24 Hours @ 72°F
VOC Content	<10 g/L (EPA 24)
Pot Life (72°F Mass)	25 - 35 Minutes
Max Moisture Limit	<3 lbs MVER / <75% RH
Light Foot Traffic	12 - 16 Hours @ 72°F
Coverage Yield	200 - 250 sq ft / Gallon

MIXING & APPLICATION INSTRUCTIONS:

- **Mechanical Prep:** Diamond grind slab to CSP 2-3 profile. Vacuum concrete dust thoroughly.
- **Moisture Check:** Slab must test <3 lbs MVER. Does NOT block hydrostatic vapor pressure.
- **Mix Ratio:** Accurately combine 2 Parts A with 1 Part B by volume into clean mixing pail.
- **Mechanical Mix:** Blend 3 minutes with low-speed drill (350 RPM) and spiral blade.
- **Immediate Pour:** Pour ribbon onto concrete slab. Do not allow to stand in container.
- **Spread Technique:** Spread with flat squeegee to force primer into concrete micro-pores.
- **Back-Rolling:** Immediately back-roll with 3/8" lint-free roller to create uniform wet film.
- **Coverage:** 200-250 sq. ft./gal (600-750 sq. ft. per 3-gal kit) applied at 6-8 wet mils.
- **Base Coat Recoat:** Apply base coat once primer is tack-free (typically 6-8 hours).
- **Abrasion Window:** If recoat window exceeds 24 hours, abrade with 80-grit sanding screen.
- **Tool Cleanup:** Clean all equipment with Xylene or acetone immediately after use.

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-80°F (15°C-27°C)
- Keep containers tightly sealed when not in use
- Protect from freezing, moisture, and direct sun
- 12-Month shelf life in original unopened container

PPE:  Nitrile • Goggles • Vapor Mask

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

Penetration Action: Low-viscosity resin deeply anchors into capillary matrix of mechanically ground slab.
Regulatory Status: VOC compliant under EPA Method 24. Low odor formulation for interior installations.
Disposal: React remaining Part A and Part B to solidify prior to non-hazardous commercial disposal.

Lot: 21273971-A

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

TDS

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