EPOXY49

MVB 49 | PART A — RESIN

MOISTURE VAPOR BARRIER EPOXY • MIX RATIO: 2:1 BY VOLUME • 5 GAL PAIL — PART A (RESIN: 20.0 KG NET)

PART A
RESIN

CRITICAL ALERT: POT LIFE 20-30 MINUTES | SUPPRESSES UP TO 25 LBS MVER / 99% RH

MVER LIMIT: UP TO 25 LBS MVER | **RH TOLERANCE: 99% IN-SITU RH** | **PERMEANCE: <0.10 PERMS (CLASS I)** | **ALKALINITY: RESISTANT TO PH 14**

PHYSICAL PROPERTIES TABLE

Solids Content	100% (ASTM D2697)
Mix Ratio (A:B)	2:1 by Volume
MVER Limit	25 lbs / 1,000 sq ft
Internal Humidity	Up to 99% RH (F2170)
Permeance Rating	<0.10 Perms (E96)
pH Resistance	Resists pH 14 Slabs
Shore D Hardness	84 - 86 D (D2240)
Tensile Strength	8,200 psi (D638)
Compressive Strength	12,000 psi (D695)
Tensile Adhesion	>450 psi (Slab Fail)
Mixed Viscosity	1,200 - 1,500 cps
VOC Content	<10 g/L (EPA 24)
Pot Life (72°F Mass)	20 - 30 Minutes
Recoat Window	8 - 16 Hours @ 72°F

MIXING & APPLICATION INSTRUCTIONS:

- **Mechanical Prep:** Shot blast or grind concrete to CSP 3. Vacuum dust free.
- **Pre-Mix:** Stir Part A for 1 min. Measure 2 Parts A to 1 Part B by volume.
- **Mechanical Mix:** Blend 3 min at 350 RPM. Scrape bucket walls and bottom.
- **Immediate Pour:** Empty contents onto slab in ribbons (exotherm risk in pail).
- **High Moisture:** Pull 3/16"-1/4" V-notched squeegee at 100-120 sq ft/gal (14-16 mils).
- **Moderate Moisture:** Spread 130-150 sq ft/gal (11-12 mils) for ≤15 lbs MVER.
- **Back-Rolling:** Cross-roll with 3/8" lint-free roller perpendicular to pulls.
- **Pinhole Check:** Inspect film for outgassing pinholes; monolithic seal required.
- **Recoat Window:** 8-16 hours at 72°F for direct base coat without abrading.
- **Abrasion Window:** If >24 hours, abrade surface with 60-80 grit sanding screen.
- **Tool Cleanup:** Clean squeegees, mixers, and tools immediately with Xylene.

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 at 60°F-80°F (15°C-27°C)
- Protect from freezing, high heat, and sunlight
- Component B is sensitive to ambient humidity
- 12-Month shelf life in original sealed container

PPE: Nitrile • Goggles • Vapor Mask

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

Vapor Suppression: Engineered to stop hydrostatic head pressure and prevent osmotic blistering under coatings.
Alkalinity Defense: Completely resists saponification and pH 14 chemical attack from moisture-driven alkalis.
Disposal: Mix leftover Part A and Part B to complete reaction before disposing of cured non-toxic plastic.

Lot: 21273971-A

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

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