EPOXY49 | MVB 49 — ASTM SPECS & OSHA GHS

PART A = 1 GAL (4.0 KG NET) • 3-GALLON KIT (2×A + 1×B = 11.7 KG)

PART A
RESIN

ASTM PHYSICAL PROPERTIES

Solids Content	100% (ASTM D2697)
Mix Ratio (A:B)	2A : 1B Vol (2:1 Wt)
Max MVER (F1869)	Up to 25 lbs / 1k sq ft
Max In-Situ RH (F2170)	Up to 99% RH
Vapor Permeance (E96)	<0.10 Perms @ 16 Mils
Alkalinity Resistance	Sustained pH 14.0
Shore D Hardness	84–86 D (ASTM D2240)
Compressive Strength	12,000 psi (ASTM D695)
Tensile Adhesion	>450 psi (Slab Fail)
VOC Content	<10 g/L (EPA Method 24)
Pot Life @ 72°F	11–20 Min (Fast Cure)
Tack-Free / Recoat	4 Hrs / 4–16 Hrs @ 72°F

OSHA GHS HAZARD — PART A (RESIN)



WARNING

Modified High-Density Barrier Epoxy Resin

H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H411: Toxic to aquatic life with long lasting effects.

P261: Avoid breathing vapors/mist. **P280:** Wear nitrile gloves & goggles.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338: IF IN EYES: Rinse cautiously with water 15 min.

P333+P313: If skin irritation/rash occurs: Get medical advice.

P273+P501: Avoid release to environment. Cure A+B solid to dispose.

STORAGE, PPE & EMERGENCY

- Freeze sensitive! Store indoors at 60°F–77°F (15°C–25°C).
- If <59°F (15°C), pre-warm Part A to ~86°F (30°C) before mixing.
- Part B hardener is moisture sensitive — keep tightly sealed.
- Avoid RH >85% during cure. 12-month unopened shelf life.



REQUIRED PPE:
Nitrile • Goggles • Vapor Mask

24-HOUR CHEMICAL EMERGENCY (CHEMTREC)
1-800-424-9300

TDS
EPOXY49.COM/SPECS

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LOT: MVB49-A-2611