EPOXY49 | EPOXY 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 by Volume
Mixed Viscosity (77°F)	700–900 cps
Shore D Hardness	82–85 D (ASTM D2240)
Compressive Strength	11,500 psi (ASTM D695)
Tensile Strength	7,800 psi (ASTM D638)
Flexural Strength	9,800 psi (ASTM D790)
Concrete Adhesion	>450 psi (Slab Fail)
Water Absorption	<0.10% (ASTM D570)
VOC Content	<10 g/L (EPA Method 24)
Working Time / Pot Life	30–45m Slab / 20–30m Mass
Foot / Vehicle Cure	24 Hrs / 72 Hrs @ 72°F

OSHA GHS HAZARD — PART A (RESIN)



WARNING

Bisphenol-A / Epichlorohydrin 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 mist or vapors. Use in ventilated area.

P280: Wear nitrile gloves, protective clothing & splash goggles.

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

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

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

STORAGE, PPE & EMERGENCY

- Store tightly sealed indoors at 60°F–85°F (15°C–29°C).
- If <59°F (15°C), warm Part A to ~86°F (30°C) before mixing.
- Do not apply if relative humidity >85% (amine blush risk).
- Part B is moisture sensitive. 12-month unopened shelf life.



REQUIRED PPE:
Nitrile • Goggles • Vapor Mask

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

TDS

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LOT: EP49-A-2611