

* CAT 01.01 · EPOXY · EP-100 · TDS REV 01 · 06/2026

100% Solids Epoxy.

* ZERO-VOC · SELF-LEVELING · HIGH-BUILD CLEAR BASE COAT

Self-leveling, solvent-free 100% solids epoxy base coat with superior wetting, long work time, excellent adhesion, and broad chemical resistance. Engineered as a high-build foundation for garages, basements, warehouses, and showrooms — use on its own or under a flake, metallic, or polyaspartic topcoat.

§ 01 · CURE & WORK TIME

TEMPERATURE	50°F	75°F	90°F
POT LIFE	45 min	30 min	20 min
SET-TO-TOUCH	3 hr	2 hr	1 hr
DRY-THROUGH	6 hr	3 hr	1-2 hr
RECOAT	24 hr	8 hr	4 hr
MATURATION	7 days	5 days	3 days

Times measured under controlled lab conditions and may vary on site. Coating that exceeds the recoat window may exhibit adhesion failure — verify surface prep before recoating.

§ 02 · MATERIAL DATA

SOLIDS BY VOLUME	100%
MIX RATIO (A : B, WT.)	2 : 1
THEORETICAL COVERAGE	300 SF/KIT @ 5 mil
RECOMMENDED DFT	5 - 8 mil
COLOR	Clear (compounds)
GLOSS @ 60°	> 90 (high gloss)
SPECIFIC GRAVITY	~ 1.1
THINNER / DILUTION	Not applicable
SHELF LIFE (SEALED)	12 months
PACKAGING	3 gal kit (compounds)

§ 03 · APPLICATION

01 · SUBSTRATE

Concrete cured ≥ 28 days at $\geq 70^{\circ}\text{F}$ with relative humidity $\leq 50\%$. Surface free of oil, dust, sand, laitance. Substrate moisture $\leq 6\%$.

03 · MIX

2 : 1 by weight, Part B into Part A. Power mix 3 minutes at 400-600 RPM. Use within 30 minutes at 75°F (longer in cooler conditions).

02 · CONDITIONS

Atmosphere $41\text{--}95^{\circ}\text{F}$. Surface $\leq 104^{\circ}\text{F}$. RH $\leq 80\%$. Reinforce cracks and wall/floor joints with epoxy filler before the first coat.

04 · APPLY

Apply with industrial-grade trowel squeegee at 5-8 mil DFT. Coverage thinner than spec may cause cratering, skid marks, or whitening streaks.

* EP-100 · TECH DATA · CONTINUED

Physical Properties.

* ASTM-METHOD VERIFIED

PROPERTY	TEST METHOD	RESULT
Adhesion / bond strength	ASTM D4541	> 400 PSI · 100% concrete failure
Compressive strength	ASTM D695	8,600 PSI
Flexural strength	ASTM D790	10,500 PSI
Tensile strength	ASTM D638	10,500 PSI
Elongation	ASTM D638	5%
Hardness, Shore D (24 hr)	ASTM D2240	85
Taber abrasion (CS-17, 1000 g)	ASTM D4060	50 mg loss / 1000 cycles
Abrasion resistance	ASTM D4060	0.10 g (CS-17 / 1000 cycles)
Impact resistance	ASTM D2794	4 ft·lb
Wet DCOF (slip resistance)	ASTM A326.3	> 0.62
Gloss @ 60°	ASTM D523	> 90
Flammability	—	Not applicable

§ 04 · STORAGE & HANDLING

Store sealed pails between 50-80°F, away from direct sunlight and ignition sources. Twelve-month shelf life from the manufacture date stamped on the pail. Once opened, mixed material is single-use and cannot be returned to container. Refer to the corresponding Safety Data Sheets (SDS Part A and Part B) for full handling, PPE, and disposal guidance.

§ 05 · DISCLAIMER

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