

enPOXY

DESCRIPTION: enPOXY is a water clear two part 100% epoxy system especially well suited for concrete countertops and vertical applications. enPOXY meets FDA standards, waterproofing the surface while not supporting bacterial growth.

SURFACE PREPARATION: Allow at least two days dry time at 70 degree temperatures before applying enPOXY to a clean and dry surface free of any contaminants. Sealing uncured enCOUNTER may result in blushing.

DIRECTIONS: Mix enPOXY parts A and B. Avoid whipping air into the enPOXY by slowly by hand or low rpm mixer for two minutes. Pour mixed parts A & B into a separate bucket and continue mixing for 5 minutes. The pot life after mixing is approximately 15 minutes. Working time is extended to 30 - 45 minutes by pouring enPOXY onto the countertop immediately after mixing. enPOXY can be applied with brush, roller or squeegee. Use a spike roller and heat gun to pop air bubbles. Best results are achieved with a 60 degree and rising surface temperature and ambient and enPOXY temperatures at 70 degrees - not exceeding 90. Ideal temperatures for all three is 77 degrees. enPOXY can take light use after 12 hours in normal temperatures and full use after 3 days. If a second coat is needed, scuff the hardened surface with sandpaper, clean and reapply. enPOXY may be diluted up to 10% with xylene, MEK or acetone for the second coat only.

Conduct tests on smaller pieces to gain familiarity before applying to the larger project.

enPOXY is NOT recommended for outdoor use.

TECHNICAL DATA:

Solids.....	15-18% by weight and 13-16% by volume
Coverage.....	200 sq. ft. @ 8 mil dry film (minimum recommended build)
	160 sq. ft @ 15 mil dry film
	45 sq. ft for countertops per gallon (33 sf/.75 gal)
Drying time (tack-free)	8 hours at 75°F
Application temperature	Above 50°F
Clean up	Warm, soapy water

PERFORMANCE PROPERTIES:

Tensile Strength, psi (ASTM D-638).....	6230
Ultimate Elongation, % (ASTM D-638).....	11
Compressive Yield Strength, psi (ASTM D-695).....	9850
Ultimate Compressive Strength, psi (ASTM D-695)	19501
Ultimate Flexural Strength, psi (ASTM D-790)	9680
Hardness, Shore D (ASTM D-2240).....	83
Bond Strength to Concrete (ACI 503.4-2.3.2)	concrete fails before loss of bond

CHEMICAL AND STAIN RESISTANCE (ASTM D-1308 24 Hour Immersion)

Vegetable Oil	no effect
Mustard.....	no effect
Urine	no effect
Gasoline	no effect
Motor Oil	no effect
Transmission Fluid	no effect
Brake Fluid	slight softening, film recovers
Mineral Spirits	no effect
10% Sulphuric Acid	no effect
10% Hydrochloric Acid	no effect
10% Acetic Acid	no effect
Xylene	slight softening, film recovers
MEK	film destroyed

CAUTION: Protect from freezing! Keep out of reach of children!

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