



PERMA • POXY ENAMEL

PRODUCT DESCRIPTION

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Perma•Poxy Enamel is a 100% solids, two-component epoxy enamel containing epoxy resins and cyclo- aliphatic amine curing agents that contain no irritable or harmful fumes. Has Lo-Mod elasticity which allows variations in stress and temperature.

USES

Applied over concrete, steel, masonry or wood. Used for coating marine and industrial surfaces such as boats, barges, warehouse floors, paper mills, chemical plants and sanitary sewer systems. NOTE: Please designate sewer system orders for special labeling.

ADVANTAGES

Withstands hydrogen sulfide gas as well as various strengths of sulphuric acid. Provides lasting protection against industrial chemicals, mildew, solvents, alkali, acids and temperatures up to 550°F after full cure. Cured film is hard but flexible; slip resistant; freeze-thaw resistant. Has exceptional abrasion and impact resistance under foot or vehicular traffic. Fully cured after 72 hours at 75°F. Full chemical resistance after 96 hours. Longer low temperature cures permitted as low as 40°F and rising at time of application. Easy mix ratio of 2A to 1B.

TECHNICAL DATA

Mix parts A & B together & strain the mixed product through a 250 micron, nylon paint filter before applying!

CHARACTERISTICS

Finish:	High-gloss
Color:	12 Std. Colors
Package:	3 Gal. Kit
Spread Rate: (Per Kit)	480 Sq.Ft.
Dry Film Thickness:	10 Mils.
Mix Ratio:	2A to 1B
Viscosity:	70-90 K.U. @ 72°F
Pot Life:	30 Min. @ 72°F
Solids:	99% by Wt. 99% by Vol.
Wt. Per Gal.:	10.8 Lbs. Mixed
Application Temperature:	45°F - 100°F
Flash Point:	Above 200°F
Recoat Time:	4-6 Hours
VOC:	8 g/l
Pencil Hardness:	2 H Final
Flexibility:	Passes 1/8" Mandrel
Storage:	40°F – 95°F
Shelf Life:	12 Mos. Unopened
Flammability Class:	None

COMPOSITION

Enamel Base (A)	Epoxy Resin
Activator (B)	Cycloaliphatic Amine Resin

PRODUCT APPLICATION

SURFACES

Surface must be structurally sound. Loose particles or soft weak sections must be removed. Old or new concrete should either be mechanically scarified, sandblasted or 10% muriatic acid washed as needed.

PREPARATION

Surface must be clean and free of dirt, dust, oil, grease, other coatings and any other substance that could affect adhesion. Steel surfaces should be sandblasted. All surfaces should be primed with a 2-3 mil. application of Perma•Prime E-Coat.

APPLICATION

Condition components to 72°F before use. Thin as needed with suitable epoxy reducer. If thinned, use slow speed (400 - 600 rpm) explosion proof drill and mixing paddle to thoroughly mix 2 parts A to 1 part B. Apply by brush, roller, or notched squeegee. CAUTION: 1) Exterior applications can result in chalking or fading from UV rays. 2) Excessive buildup can cause streaking or yellowing. Must be dry, not tacky, before recoat; usually within 6-8 hours at 72°F. Recoat must occur within 24-30 hours of the previous application.

CLEAN-UP

Clean application tools and equipment with suitable epoxy reducer. Clean hands and skin with soap and water or Industrial hand cleaner.