



PERMA • CRETE®

A
Division
of Quality
Systems, Inc.

PERMA • PRIME E - COAT

PRODUCT DESCRIPTION

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Perma•Prime E-Coat is a water-based two-component epoxy primer containing epoxy ester emulsions and fast drying acrylic polymers.

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. Designed for recoat with Perma•Thane CRU-750 or Perma • Poxy Enamel.

ADVANTAGES

Provides lasting protection against industrial chemicals, mildew, solvents, alkali, acids and temperatures up to 300°F. Cured film is hard but flexible; slip resistant; freeze-thaw resistant. Has exceptional abrasion and impact resistance under foot or vehicular traffic. Fully cured within 2-7 days at 72°F. Longer low temperature cures permitted as low as 55°F and rising at time of application. Easy mix ratio of 3A to 1B.

TECHNICAL DATA

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

CHARACTERISTICS

Finish:	Flat
Color:	Grey or White
Package:	4 Gal. Kit
Spread Rate:	1, 280 Sq. Ft. Per Kit at 5 Mils. Wet
Dry Film	1.5 Mils. Dry
Mix Ratio:	3A to 1B
Viscosity:	62-75-K.U. @ 72°F
Pot Life:	24 Hrs. @ 70°F
Solids:	35% by Wt. 28% by Vol.
Wt. Per Gal.:	9.6 Lbs. Mixed
Application	
Temperature:	55°F - 90°F
Flash Point:	N/A
Recoat Time:	1-2 Hours
Number Coats:	One
VOC:	9 g/l
Pencil	
Hardness:	2 H Final
Storage:	60°F - 90°F
Shelf Life:	12 Mos. Unopened
Flammability	
Class:	Slightly Combustible

COMPOSITION

Epoxy	Styrene Acrylic
Base (A)	Polymers and
	Epoxy Ester
	Emulsions
Activator (B)	Water, Iron
	Oxide, TiO ₂

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 surface should be sandblasted. All surfaces must be dry before application.

APPLICATION

Condition components to 72°F before use. Use slow speed (400-600 rpm) drill and mixing paddle to thoroughly mix 3 parts A to 1 part B. Must be dry, not tacky, before recoat; usually within 1-2 hours @ 72°F. Apply by brush, roller or airless sprayer. Recoat with Perma•Poxy Enamel or Perma•Thane CRU-750.

CLEAN-UP

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