

GULF COAST PAINT MFG., INC.

PC-270 POLY-CHEMCURE POLYESTER EPOXY COATING

PRODUCT DESCRIPTION

PC-270 is a uniquely formulated two component, polyester epoxy coating. PC-270 uses specially selected polymer resins to produce a hard, high gloss tile-like finish. PC-270 is a non-yellowing, color stable coating. PC-270 provides outstanding wash and scrubability, making it ideal as an anti-graffiti coating and to surfaces exposed to great abuse. PC-270 is recommended as a coating for masonry, wood and primed metal surfaces.

PRODUCT FEATURES

1. White and pastels are non-yellowing
2. Beautiful tile-like finish
3. Good chemical and abrasion resistance
4. Excellent as an anti-graffiti coating
5. Exceptional weathering and color retention
6. Low odor
7. Easy to clean
8. Meets requirements for use in food processing plants

TECHNICAL DATA

Colors: White, Grays, Pastel Color

Clean Up: SA-17

Gloss: High Gloss

Pot Life: 8 Hours

Volume Solids: 62% ± 2%

Recoat Time: 12 - 24 hours @ 75°F

Coverage (Theoretical): 992 sq. Ft.
@ 1.0 mil DFT

Application: Spray, brush or roller

Recommended Thickness: 3-4 dry mils
@ 248-330 sq. ft. per gal.

Application Temperature: 50°F - 100°F

Dry Service Temperature: 160°F

Mixing Ratio: 1:1 by volume. Mix 1 part Base
(Part A) to 1 part Hardener (Part B)

Shelf Life: 1 year minimum from date of shipment

Packaging: 2 & 10 gallon units

Induction Time: 30 minutes

V.O.C.: 2.83 lbs (339 GMS/L)

Thinning: SA-50

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PRODUCT USES

PC-270 is used to coat walls, ceilings, equipment, machinery, tanks, vessels, piping, structural steel, etc., in the following areas:

a. Industrial

Chemical processing plants, pulp & paper mills, sewage & waste water treatment facilities, electric generating plants, petroleum refineries, food processing, canning and packaging plants, dairies, meat packing, bottling plants, poultry plants, breweries, marine applications, manufacturing plants, computer rooms, textile mills, and furniture plants.

b. Institutions

Schools, hospitals, nursing & retirement homes, jails, cafeterias, dormitories, rest rooms, locker rooms, showers, kitchens, laundry rooms, laboratories and medical & veterinary clinics.

c. Commercial

Lobbies, entrance & walkways, corridors, offices, waiting rooms, cleaning rooms, restaurants, shopping centers, supermarkets and warehouses.

SURFACE PREPARATION

a. Steel

Sandblast to a "commercial" (SSPC-SP6-63) or "Near White" (SSPC-SP10-63) blast finish. Apply Gulf Coast Paint's PC-110 Polyamide Epoxy Primer Red at a spread rate of 250 sq. ft. per gallon. Allow 12-24 hours cure before recoating with PC-270. Other approved primers are CM-15 Chemical Mastic Epoxy Primer, UP-183 or MCU-100 Aluminum. Consult Gulf Coast Paint for proper choice of primer.

b. Galvanized Steel

Surface must be clean and free from all dirt, grease, and other foreign matter. If needed, surface should be high pressure water cleaned, or solvent degreased per SSPC-SP1-63 specification. Surface should be abraded and primed with MCU-100 Aluminum. MCU-100 should be recoated within 4-24 hours.

Weathered Galvanize

Prime with MCU-100 Aluminum, recoat within 4-24 hours.

Note: For the best results, recoat MCU-100 the same day.

c. Masonry

Remove all laitance, efflorescence, chemical contaminants, grease, oil, old paint, and other foreign matter. The prepared surface must be clean, dry, and structurally sound. Sand blasting or water blasting may be necessary to achieve the proper profile. Acid etch or other chemical treatments should be evaluated. Consult Gulf Coast Paint Mfg., Inc. for details or specific tests pertaining to acceptable pH and surface porosity. After concrete surface is clean and dry, prime with Prime-Crete PC-149 or PC-155 Concrete Primer per label instructions. Apply one or two coats of PC-270. For porous block, apply PC-145 Epoxy Block Filler. If Latex Block Filler is used, cure at least 3 days @ 75°F before coating with PC-270. A minimum of 2 coats of PC-270 over block filler is normally recommended.

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MIXING INSTRUCTIONS

Poly-Chem PC-270 is prepared by mixing 1 part Base (Part A) to 1 part Hardener (Part B) with an explosion proof variable speed drill with a Jiffy mixer. Allow an induction time of 30 minutes before using. PC-270 may be thinned up to 10% with SA-50. Overthinning reduces film build capability.

APPLICATION PROCEDURE

- Airless Spray
Gun - Graco 205-591
Pump - 30:1
Tip Range - .017 to .021 @ 2500 psi
Hose - 3/8 inch ID
- Conventional Spray
Gun - DeVilbiss MBC-510 or JGA
Fluid Tip - E
Air Cap - 64 or 704
Atomizing Pressure - 40 psi
Pot Pressure - 50 psi
Hose - 1/2 inch ID
- Brush - Use pure bristle brush
- Roller – Medium nap phenolic core

When spraying, use a 50% overlapping crosshatch pattern to minimize the occurrence of pinholes. Do not apply to surfaces below 50°F or above 100°F. Do not apply over dew or frost. The surface should be dry and at least 5° above the dew point. For safety and product curing, proper ventilation is necessary throughout application and cure. When using pigmented Finish Coats, be sure the batch numbers are all the same to provide a uniform color.

V.O.C.

<u>Unthinned</u>	<u>Thinned 5%</u>	<u>Thinned 10%</u>
2.83 lbs/gl (339 GMS/Liter)	3.04 lbs/gl (364 GMS/Liter)	3.23 lbs/gl (387 GMS/Liter)

CURE TIME

<u>Temperature</u>	<u>Tack Free</u>	<u>Minimum Recoat</u>	<u>Maximum Recoat</u>
90°F	1-1/2 Hours	8 Hours	18 hours
75°F	3 Hours	12 Hours	24 Hours
50°F	16 Hours	24 Hours	48 Hours

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CAUTIONS

PC-270 is Flammable. Keep away from all sources of ignition during mixing, application and cure. The Hardener (Part B) can cause eye and skin irritation as well as allergic reactions. The use of goggles, fresh air masks or NIOSH approved respirators, protective skin cream and protective clothing is a recommended standard practice when spraying coatings. This product is sold without warranty as to performance expressed or implied. Users are urged to make their own tests to determine the suitability for their particular conditions.

SEE MATERIAL SAFETY DATA SHEET FOR FULL SAFETY PRECAUTIONS

FOR PROFESSIONAL AND INDUSTRIAL USE ONLY

KEEP AWAY FROM CHILDREN

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