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**POLY-CHEMCURE GC-1893
EPOXY CONCRETE FINISH COAT**

PRODUCT DESCRIPTION
V.O.C. COMPLIANT

GC-1893 is a specially formulated two component, Epoxy Concrete Finish coat. GC-1893 is a self-leveling resin that can be applied at a dry film thickness of 6-12 mils coat. It is designed as a concrete primer for use under epoxy mortar toppings, slurries, lining systems, and thin film epoxies and polyurethanes.

PRODUCT FEATURES

1. Outstanding as a primer on concrete.
2. Good abrasion resistance.
3. Excellent adhesion to concrete surfaces.
4. Can be used as a finish coat for concrete floors.
5. Non-toxic when cured.
6. Easy to apply.
7. Good chemical resistance.
8. Approvable for food processing.

TECHNICAL DATA

COLOR: Lt. Gray, Med. Gray, Beige, Off White, White

60° GLOSS READING: 90%

VOLUME SOLIDS: 89%

WEIGHT SOLIDS: 93%

COVERAGE 120 – 230 sq. ft. per gallon

MIXING RATIO: 2:1 by volume

THINNING: None

CLEAN UP: 100% Xylene

POT LIFE @ 75°F: 40- 50 minutes

APPLICATION: Roller or brush

APPLICATION TEMP.: 50°F to 100°F

RECOAT TIME @ 75°F: 10 hours minimum
24 hours maximum

CURE FOR USE @ 75°F: 12-24 hrs. for foot traffic; 48-72 hrs. for heavy traffic.

PACKAGING: 1.5 gallon kits

BOND STRENGTH: 350 PSI Concrete Failed per ACI test #59-43

V.O.C.: 87 GMS/L (Lt. Gray)

PRODUCT USES

GC-1893 is designed for use in food processing plants, breweries, dairies, bottling plants, pulp and paper mills, chemical processing plants, refineries, electric generating plants, aircraft hangars, shop floors, waste water treatment plants, and many other industries or commercial facilities.

SURFACE PREPARATION (IF USED WITH NO PRIMER)

In all cases of surface preparation, the pH should be checked. A pH reading of 7.0 to 8.5 is acceptable. Also, a Water Dissipation Test should be made on random areas of the floor to determine if the proper degree of porosity has been achieved. Before the installation of any Garage Flooring LLC coatings, the substrate should be examined for moisture. Test for moisture vapor transmission using ASTM F-1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor using Anhydrous Calcium Chloride. The maximum allowable rate is 3 lbs. per 1,000 square feet per 24 hours. Test for relative humidity in concrete floor slabs using Probes according to ASTM F-2170. This test measures the presence relative humidity of the slab below the surface. The maximum relative humidity should be below 80%.

New concrete must be cured at least a minimum of 28 days before applying a coating. On-grade slabs must have moisture vapor barrier in place. All laitance, sealers, efflorescence, chemical contaminants, grease, oil and other foreign material must be removed. The prepared surface must be clean, dry and structurally sound. Garage Flooring LLC recommends mechanical preparation by means of acid etching or diamond grinding to achieve a CSP-2 or CSP-3 profile, in accordance with the International Concrete Repair Institute (ICRI). The profile should reflect something similar to a 60-100 grit sandpaper. If the substrate is not properly prepared and the appropriate profile is not achieved, failure of the product to adhere to the substrate may occur.

Old concrete surfaces must be structurally sound. Any unsound areas must be repaired prior to proceeding with the resinous installation. Remove existing paint and loose concrete by rough sanding, sandblasting, high pressure water cleaning, shot blasting or grinding. In some cases where plant conditions allow, a stripper may be used to remove excessive build-up of paints or sealers.

MIXING INSTRUCTIONS

GC-1893 is a 2:1 mixing ratio by volume, and is prepared by mixing 2 parts of Base (Part A) by volume with 1 part of Hardener (Part B) by volume with a Power Jiffy mixer. Blend the two components together for 2-3 minutes. Do not vary from the 2:1 mixing ratio. No thinning or induction time is recommended. GC-1893 should be used immediately after mixing.

APPLICATION PROCEDURE

For best results, apply GC-1893 with a roller at 6-12 mils DFT. If air bubbles evolve, back-roll material with a spike or porcupine roller to break up any air bubbles formed by mixing or during application.

Note: 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.

GC-1893 is not designed for use in direct sunlight or in exterior applications, use suitable topcoats in all applications.

Do not apply if the surface temperature is within 5°F of the Dew Point. PC-1893 Base and Hardener should be stored at 75° to 85°F to help maintain a lower, rollable viscosity. Do not apply when material is cold. Allow a minimum of 72 hours with good ventilation before putting floor back into service. If a non-skid finish is required, prepare a test patch for owner approval prior to application.

CURE TIME

TEMPERATURE

90°F
75°F
50°F

FOOT TRAFFIC

8-12 hours
12-24 hours
36-48 hours

HEAVY TRAFFIC

36-48 hours
48-72 hours
72-96 hours

CAUTIONS

Keep away from all sources of ignition during storage, mixing, application and cure. PC-1893 Hardener is corrosive. The Hardener and base can cause eye and skin burns as well as allergic reactions. When spraying, the use of goggles, fresh air masks, or NIOSH approved respirators, protective skin cream and protective clothing is recommended as a standard practice. The 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 SAFETY DATA SHEETS FOR FULL SAFETY PRECAUTIONS.
KEEP AWAY FROM CHILDREN.**

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