



## Installation Instructions

### CAUTIONS

Components of this kit are flammable. Keep away from all sources of ignition during mixing, application and cure. The Hardener and Base can cause eye and skin burns as well as allergic reactions. Use goggles, fresh air masks or NIOSH approved respirators, protective skin cream and protective clothing. 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.

**Please read these instructions fully before you begin the installation process.**

**Step 1: Surface Preparation:** New concrete must be cured at least a minimum of 28 days before applying a coating. Remove all laitance, efflorescence, chemical contaminants, grease, oil, old paint, and other foreign matter. The prepared surface must be clean, dry, and structurally sound. Diamond grinding or acid etching will be necessary to achieve the proper profile. Chemical treatments to the concrete should be evaluated. Consult Garage Flooring LLC for details of specific tests pertaining to acceptable pH and surface porosity. In all cases of surface preparation, the pH should be checked. A water dissipation test and a vapor barrier test should be run. Do not apply to slabs on grade unless a heavy unruptured vapor barrier has been installed under the slab.

**Step 2: Primer Coat:** GC-211 is prepared by mixing 1 part Base (Part A) to 1 part Hardener (Part B) with an explosion proof variable speed drill and Jiffy mixer. Let the mixed product sit in the can/bucket for 15 minutes before using. GC-211 may be thinned up to 10% with Xylene. Over thinning reduces the high film build capability. Pour the product onto the floor in ribbons for spreading. Sticking to **220-280 sq. ft. per gallon** coverage rate, use the 3/8" short nap phenolic core, shed resistant roller cover to roll in the same direction always keeping a wet edge. Do not over roll product.

Primer Recoat Times – Wait this long before next step

Temperature	Tack Free	Min. Recoat	Max. Recoat
90°F	1-2 Hours	3-4 Hours	3 Days
75°F	2-3 Hours	4-6 Hours	7 Days
50°F	8-10 Hours	24-36 Hours	10 Days

For safety and proper product curing, good ventilation is necessary when painting indoors or in confined areas. Be sure the batch numbers are all the same to provide uniform color. Epoxy coatings may yellow or darken during application and after final cure. This will affect the color but will have no effect on the performance of the product. Heaters that emit carbon dioxide and carbon monoxide can cause the coating to yellow.

**Step 3: Epoxy Coat and Flake:** 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 wait time is recommended. GC-1893 should be used immediately after mixing.

The epoxy has a pot life of 40-50 minutes after mixing (@75°F), so mix smaller amounts at a time if needed. Pour the product onto the surface in ribbons for spreading. Sticking to the **130-220 sq. ft. per gallon** coverage rate, 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. If you do not have spiked shoes, mix and roll smaller amounts of product at a time and broadcast flake onto the rolled area before moving on.

**Flake Broadcast:** After epoxy coat has been applied, use spiked shoes to walk across the floor and broadcast flake, spreading it by hand using enough to cover the epoxy coat entirely. If you are not using spiked shoes, roll out a small enough area at a time to broadcast flake without stepping on the fresh coat, broadcast flake, and then roll out another area and broadcast flake. Continue until entire floor is covered with flake.

Note: 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.

Epoxy/Flake Recoat Time: Wait a minimum of 10 hours after application to apply next coat. Do not exceed 24 hours in between coats.

After the coat has cured and before continuing to step 4, gently scrape the entire surface of the flake and vacuum/sweep to make sure that there are no loose flakes remaining or flakes that are sticking up vertically.

**Step 4: Clear Coats:** Stir each component of GC-332 to a uniform consistency. Do not vary proportions. GC-332 is prepared by mixing 2 parts BASE (Part A) to 1 part HARDENER (Part B) with a slow speed explosion proof variable speed drill with a Jiffy mixer. Be sure material is thoroughly mixed together. Thinning is normally not required. Relative humidity should not exceed 85%. GC-332 is moisture sensitive during application and initial cure. Do not apply if surface temperature is within 5° of Dew Point. Sticking to a coverage rate of **250-275 sq. ft. per gallon**, use a ¼” – 3/8” shed resistant phenolic core short nap cover. Roll in the same direction, always keeping a wet edge. Do not over roll product. For safety and proper curing, proper ventilation is necessary throughout application and cure. Any foodstuff and furnishings in the application area should be removed prior to application.

GC-332 Recoat Times – Wait this long before next coat/use of floor

Temperature	Min. Recoat	Max. Recoat	Foot Traffic	Full Use
90°F	3 Hours	12 Hours	3-4 Hours	16-24 Hours
75°F	4 Hours	16 Hours	5-6 Hours	24-36 Hours
50°F	8 Hours	24 Hours	12-16 Hours	36-48 Hours

Repeat step 4 for the second coat of clear **but use a coverage rate of 300-325 sq. ft. per gallon** and wait appropriate amount of time before using the floor.

**KEEP AWAY FROM CHILDREN.**

**If you have any questions or need additional information regarding these instructions, please call Garage Flooring LLC at 800-956-4301 or email [SERVICE@GARAGEFLOORINGLLC.COM](mailto:SERVICE@GARAGEFLOORINGLLC.COM)**