# INDUSTRIAL EPOXY FLOOR COATING

PRODUCT DATA SHEET

**Since we cannot control the preparation, mixture, moisture, climate conditions, and application method of the product, NO WARRANTY is offered. Should you have any questions please contact our Customer Service Department at 800-345-5789 or email info@griotsgarage.com.**

## PRODUCT DESCRIPTION

Griot's Garage Industrial Epoxy Floor Coating is a two-component water-based epoxy system that features ease of application, very low odor, no/low VOC, and excellent overall coating performance. This material cures blush-free over a wide range of temperatures and adheres tenaciously to a variety of properly prepared substrates including damp concrete.

## COVERAGE

1 gallon will cover 200-350 sq ft in a single coat. We recommend a minimum of 2 coats which equals 100-175 sq ft of coverage per gallon. For the average 2 car garage (20' x 24' = 480 sq ft) at approximately 480 sq ft you will need 3-4 gallons to finish the garage with 2 coats.

## USES

Griot's Garage Industrial Epoxy Floor Coating is used as a general purpose coating for concrete floors and as a primer under epoxy, polyurethane, and acrylic flooring materials. Griot's Garage Industrial Epoxy Floor Coating is recommended for coating warehouse and factory floors, automotive repair facilities, residential garage floors, and many other commercial and industrial maintenance applications. Because of its ease of application, Griot's Garage Industrial Epoxy Floor Coating is an excellent choice for do-it-yourself floor coating projects.

## ADVANTAGES

- May be used as a primer and interior finish coat
- Easy to use
- Suitable for high moisture concrete substrates

## SURFACE PREPARATION

Concrete must be cured for at least 7 days and be clean, structurally sound, and free of wax, loose paint or curing compounds. Surface may be damp, but standing water should be removed. Concrete should be shot blasted diamond ground or acid etched to achieve a surface minimum texture of ICRI 2. Carefully follow the guidelines listed in this manual. Vacuum or rinse prepared concrete surface to remove all dust. Previously coated surfaces that are soundly adhered must be mechanically cleaned and abraded to achieve uniformly gloss-free, open texture.

## MOISTURE VAPOR CONDITIONS

Testing for hydrostatic pressure is one of the most important steps and allows you to properly determine if your concrete is a good candidate for coating. If moisture is found further testing may be required. See step 1 of application instructions for more information.

## TECHNICAL DATA

| | |
|---|---|
| Gloss 60° ASTM D523 | 85 - 90 |
| Taber Abrasion 1000 g load/1000 cycles/CS17 | 60 -65 mg loss |
| Adhesion to Damp Concrete ASTM D7234 | Concrete Failure |
| Mixing Ratio by Volume | 4 : 1 |
| Solids Content by Volume | 43.5% |
| VOC Clear | 0 g/l |
| VOC Pigmented | 60 g/l |
| Pot Life | ~2 - 3 Hours |
| Cure Times (77°F/25°C) | |
| Dry to Touch | ~2 Hours |
| Re-coat | ~12 - 18 Hours |
| Light Traffic | ~18 - 24 Hours |
| Full Cure | ~7 Days |

Higher temperatures and lower humidity will accelerate cure time Lower temperatures and high humidity will lengthen cure time.

## COLORS

Griot's Garage Industrial Epoxy Floor Coating is available in gray and tan.

## PACKAGING

Griot's Garage Industrial Epoxy Floor Coating is supplied in complete A+B 1.25 Gallon (4.73 L). Mix ratio 4A:1B.

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## MIXING

Mix only that amount of material that can be used in a 2 - 3 hour period. In very hot weather it is advisable to mix smaller batches to ensure good flow and workability. Because color change can occur as mixed material advances into its pot life, when used as a pigmented finish coat, mix only that amount of material than can be used within 1 hour. Premix Part A before blending with Part B. Combining ratio is 4 parts A to 1 part B. Proportion the amounts carefully and mix for 2 full minutes using a low speed drill, scraping the bottom and sides of the mixing vessel. 15-20% clean potable water must be added to achieve a low application viscosity. A common mixing ratio is 4 parts A / 1 part B / 1 part water.

## APPLICATION

Griot's Garage Industrial Epoxy Floor Coating is normally applied 200 - 350 sq. ft. per gallon by brush, roller or airless spray. If using as a primer and trapped air in the substrate creates bubbles, continued rolling will cause them to disappear. Griot's Garage Industrial Epoxy Floor Coating should normally be re-coated after an overnight cure period. However, if conditions are very cool and/or damp, 48 hours cure time should be allowed before re-coating. If the product cures longer than 72 hours, the surface should be lightly sanded before re-coating. When using a pigmented finish coat, keep a "wet edge" and do not attempt to roll over material that has begun to set as a change in color will result.

## LIMITATIONS

- Exterior applications will exhibit chalking, discoloration and fading.
- Exterior applications of clear product are not recommended
- Will discolor over time when exposed to sunlight (UV) and/or under certain artificial lighting conditions.
- Do not apply in excess of recommended application thickness. Uneven curing may result.
- Not recommended for application over acid based concrete stains.
- Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

## HANDLING & SAFETY

Use only with adequate ventilation. Appropriate cartridge-type respirator must be used during application in confined areas. Avoid contact with skin; wear protective gloves. User must read and under-stand Safety Data Sheet before using. Safety Data Sheets are available at www.griotsgarage.com

100% GRIOT'S GARAGE GUARANTEED

*Have fun in your garage!®*

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