

FLOORPOXY

PRODUCT SPECIFICATIONS



FLOOR POXY

EPOXIES

FLOORPOXY 2500 SERIES WATER BASED EPOXY 2:1

Description: A high gloss premium quality 2 part water base epoxy coating that provides epoxy toughness, chemical resistance and durability with the convenience of a water base system and long pot life.

Recommended Surfaces: For interior use only unless protected by another product with a UV inhibitor such as our aliphatic urethane. Uses include industrial floors in factories, restaurant kitchens, schools, hospitals, food processing, garage floors, dairies and warehouses. When thinned, this product works well as a primer under most other systems.

- * Interior Concrete Floors
- * Garages
- * Warehouses
- * Restaurants
- * Industrial Floors
- * Showrooms
- * Kitchens

Advantages

- * Easy water clean-up
- * Fast drying
- * Excellent chemical and solvent resistance
- * Long pot life
- * Epoxy toughness

Finish: High Gloss

Package: Mix thoroughly 2 Parts "A" with 1 Part "B". Part "A" or Part "B" will not dry or cure if used alone.

Colors:

- 00 White
- 41 Cape Cod Gray
- 95 Deep Base
- 27 Deep Tan
- 90 Tint Base
- 98 Accent Base

Inspection: Surface must be structurally sound, dry and free of oil, grease, curing agents, dirt, dust or other foreign material that may prevent proper adhesion. Surface must be porous and profiled. The concrete should be at least 2500 psi and feel like 30-grit sandpaper. The concrete should be porous and be able to absorb water. A minimum of 28 days cured is required on all

concrete. Relative humidity in the concrete floor slab should be below 80% (per ASTM F-2170).

Before starting flooring work, test existing concrete slab to make sure there is no efflorescence or high levels of alkalinity.

Calcium chloride tests should be conducted to determine if the concrete is sufficiently dry for an epoxy flooring installation in accordance with the latest edition of ASTM F 1869, Standard

Test Method for Measuring Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride.

Failing to adhere to these strict guidelines can result in product delamination, discoloration, blistering, or all together failure of the coating system. Testing is the responsibility of the applicator. Life Paint bears no responsibility for failures due to any of the above conditions.

Coverage: 250-350 sq. ft. per gallon.

Clean-up: Uncured material can be removed with soap and water. Cured material can only be removed mechanically.

Surface Preparation: Prepare surface by sanding, grinding, water and/or sandblasting or bead blasting to achieve a clean, porous and uniform surface that will allow product to soak in and bond permanently. Over Concrete Surfaces: Shotblasting is the preferred preferred method for preparing the concrete. In some cases you may prepare by acid etching, floor scrubbing with a nylogrit brush and waterblasting to achieve a clean and uniform surface that feels like 30 grit sandpaper. If acid etching is done, be sure to properly etch and then adequately neutralize by scrubbing and rinsing several times followed by power washing. Muriatic Acid (blended 1:4 with water) may be used to etch concrete and will require baking soda or soda ash

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to neutralize. (Please use caution when working with acid. Read and follow all warnings and instructions on label). Clean surface entirely with TSP and rinse completely with water several times. Remove mildew or algae using 50/50 blend of household bleach and water. (Do not allow bleach to come into contact with acid). Read bleach instructions and warnings carefully before using. Rinse thoroughly. The surface must be porous enough to allow the product to soak in. Surface should feel like 30 grit sand paper.

Primer requirements: The first coat or primer coat should be thinned with water to insure maximum penetration into surface. Mix two parts A with one part B and combine for 2 minutes, then add water equal to the amount of Part A and mix for 3 more minutes. Combine using an agitator, jiffy mixer or stir stick. The primer is ready to be applied by brush or roller. Coverage should be approximately 500 sq. ft. per gallon.

Coverage: As a primer: Up to 500 sq. ft. per gallon when thinned with water. As a coating: 250-350 sq. ft. per gallon. Read complete instructions for more details.

Mixing: Mixing - Top Coat: In a clean and dry bucket thoroughly mix two parts A and one part B together. Combine using an agitator, jiffy mixer or stir stick. Mix for at least 2 minutes or until completely combined. Only prepare the amount you can use in 4 hours or less.

Mildew: DO NOT PAINT OVER MILDEW. Mildew is a fungus, brown, black, grey or even white in color, and will rapidly grow through any coating applied over it. A solution of 50% household bleach and 50% water will kill the mildew. See precautions on bleach label for handling before using.

Anti-Skid Additive: 8 oz to 16 oz of anti-skid additive may be added per gallon. (See anti-skid specifications for more details).

Application: Use a 1/4 inch nap mohair or shed-free roller for the main area. Begin by cutting in the edges and trim with a brush. The center may be done like you would normally paint a surface, being sure to overlap and back roll each area carefully. For best results apply at least 2 thin coats at 250 sq. ft. per gallon. (Allow first coat to dry before applying second coat).

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Drying Time:

1. At normal conditions (77° Fahrenheit & 50% Humidity) to touch in less than 2 hours.
2. You may re-coat in approximately 6 hours.
3. Should not be applied to surfaces having temperatures below 55°F.
4. Light foot traffic in 6 hours, normal foot traffic in 24 hours, vehicle traffic in 96 hours.

Clear Gloss Enamel Properties

Pot Life, hr	4
Mixed Viscosity KREBS Units	82-90
Gloss, 60° spec, 1 day	>90
Gloss, 60° spec, 4 day	>90
Tack Free Time, 6hr	40 min
Hard Dry Time, 6hr	6-8 hr
Mix Ratio	3:1

Technical Information

A & B Mixed

Type: Two component water base epoxy

Diluent: Water

Solids Content: 53-57% by weight
41-55% by volume

Viscosity: 80-90 KREBS units

Flash Point: >1500F

Maximum V.O.C.: 50 grams per liter