



LIFE™

Product Specifications

"14" Series High Solids Epoxy Concrete Sealer



Description:

A premium quality 2-part water base epoxy concrete sealer that provides epoxy toughness, chemical resistance and durability with the convenience of a water base system.

Recommended Surfaces: For interior concrete floors only.

Advantages:

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

Finish: Gloss

Package Size: 4 to 1 Kit

1.25 Gallon Kit= 1 Gallon Part A & 1 Quart Part B

Colors: -00 White
-41 New Cape Cod Gray
Custom tints available

Inspection:

Surface must be structurally sound, dry, and free of oil, grease, curing agents, dirt, dust or other foreign matter. Surface must be roughed up or porous. This product is designed for use over untreated concrete surfaces free from wax, dusting preventive sealers, deep penetrating sealers, bond breaking compounds and release agents and other similar chemicals that will interfere with proper adhesion and lead to premature coating failures.

Surface Preparation:

Prepare surface by sanding, grinding, dry or wet sandblasting or shot blasting to achieve a clean, porous and uniform surface that will allow the product to penetrate the surface. Bead or shotblasting is the most reliable method of preparation. Clean surface entirely with TSP and rinse completely with water several times. Concrete surface can be acid etched and then must be neutralized and rinsed. Acid etching does not clean the surface.

Mildew:

DO NOT PAINT OVER MILDEW. Mildew is a fungus, brown, black, gray 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.

Self Priming Requirements: Gently blend approximately 1 gallon of water with 1 gallon of 14 Series part A. Then add 1 quart of 14 Series part B to the part A mixture and apply as thin as possible, approximately 600-800 sq. ft. per batch. (2.25 gallons)

Mixing:

MIX 4 PARTS "A" WITH 1 PART "B" IN BATCHES NO LARGER THAN 1.25 GALLON AT A TIME EXCEPT AS NOTED ABOVE UNDER "SELF PRIMING REQUIREMENTS".

Top Coat: In a clean and dry bucket, mix 4 parts A and 1 part B together using an agitator, jiffy mixer or stir stick. Mix slowly for at least 2 minutes or until completely combined. **Prepare only the amount you can use in 90 minutes in quantities of no more than 1.25 gallons at a time.** Do not leave the mixed epoxy in the bucket longer than 45 minutes. Pot life is approximately 90 minutes.

Application:

For best results on horizontal surfaces, **pour the entire mixture evenly onto the surface as soon as possible after mixing.** Use a 3/8" nap roller or squeegee to spread mixture over the surface, backrolling the area to be coated. For best results apply at least 2 coats at 250 sq. ft. per gallon. Clean tools with soap and water before curing begins. To increase skid resistance, stir in an approved non-skid additive into your A & B mixture.

Concrete Surface Preparation:

Concrete surfaces should be clean, dry, and free of disintegrating chalky material or previously applied coatings to insure satisfactory results. To increase adhesion, dense or machine trowelled concrete surfaces should be prepared mechanically as described in surface preparation or etched with a solution of one part muriatic acid and two-parts clean water. The surface profile should resemble 80 grit sandpaper to be suitable for coating. Neutralize the surface by applying a mixture of 1 lb. baking soda mixed into 1 gal of water and rinse thoroughly. Clean all surfaces with T.S.P. and rinse with clean water.

Coverage:

Three (3) mil dry film at 250 sq. ft. per gallon. Six (6) mil dry film at 125 sq.ft. per gallon.

Thinning:

When using this product as a top coat, thin part A slightly with water if necessary. To thin add up to 1 quart of water to part "A", blending slowly and then add part "B" to part "A" or part "A" "water thinned" mixture and blend slowly and thoroughly. (Adding water to part "A" will lower the solids and may reduce the gloss slightly).

Drying Time/Cure Times:

Under normal Conditions (70°F & 50% Humidity) dries to touch in 2-4 hours. May be recoated when dry to the touch. Do not apply to surfaces when ambient or surface temperatures are below 50°F. Higher temperatures and lower humidity will accelerate cure times and reduce working time.

Application in extremely hot weather:

1. Dampen the floor surface to be coated. (Do not saturate)
2. In a large bucket, mix and prepare no more than a 1.25 gallon kit at time.
3. Pour entire mixture evenly onto the horizontal surface to be coated.
4. To enhance workability, add 1 quart water to part "A", blending slowly. Then add part "B". Follow mixing directions. (Adding water to part "A" will lower the solids and may reduce the gloss slightly.)

Clean-up:

Soap and water. (Before curing begins)

WARNING! SLIP AND FALL PRECAUTIONS

As these products reduce surface porosity, floor slipperiness is a potential hazard. CAUTION! COMBUSTIBLE! KEEP OUT OF THE REACH OF CHILDREN

CAUTION:

The A-B mix of Diamond Glaze will dry to a tough thermoset film when cured and is very difficult to remove. For this reason, wear protective clothes, gloves, and goggles when mixing or applying this product. For technical support or more information on application, call Life Paint (800) 400-0516.

Technical Information

Type: 2 component water borne epoxy
Pot Life: 1.25 gallon kit: 30 minutes at 77° F.

Diluent: Water (Add to Part "A" only)

Flash Point: 140°F

Mixture Solid Content: 56% by weight

Max V.O.C.: 95 grams per liter

Viscosity: 95 5 KREBS units at 77°F

Pencil Hardness: 2H

Gloss White Stain Resistance

Salt Water	Discoloration after 12 weeks
10% NaOH	No attack
10% H2SO4	Blistering after 10 weeks
Xylene	No attack

This product contains chemicals known to the State of California to cause cancer, birth defects and reproductive harm. 150 grams/liter is the maximum V.O.C. of Part A, 100 grams/liter is the maximum V.O.C. of the "A" and "B" Mixture of this product **WARNING!** If you scrape, sand or remove old paint, you may release lead dust. **LEAD IS TOXIC.** Contact the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

**LIFE PAINT CORP.**

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USDA ACCEPTABLE EPOXY

Life's Diamond Glaze, "14" Series High Gloss 2 Part Water Base Epoxy will meet the performance requirements of the U.S.D.A. as a concrete sealer and top coat for floors or walls. This product is manufactured and supplied by Life Paint Company at 12927 Sunshine Avenue, Santa Fe Springs, California, 90670.

Life's Diamond Glaze, "14" Series is suitable and appropriate as a concrete coating when used according to our label instructions and in accordance with the specifications to be offered in this letter. Its use will not result in the adulterations of any food products when used and applied as we, the manufacturer, stipulate.

Life's Diamond Glaze, "14" Series will stand up to rigorous cleaning and dampness and is grease and acid resistant. It is impervious to moisture and contains no known carcinogens, mutagens or tetragens classified as hazardous substances. This is not a pesticide nor does it have any known pesticidal characteristics. If necessary, we are prepared to supply the federal safety and inspector service with a complete chemical list of the materials used to manufacture this product.

Life's Diamond Glaze, "14" Series should be applied when the temperature of ambient and surface to be coated is 65°F or above. For USDA performance, all coats of "14" Series should be allowed to cure at temperatures of 65°F or above.

Apply the first coat of Life's "14" Series to a properly prepared surface at the rate of 500 square feet per gallon after the addition of 10% water by volume. Add water to the "A" side and mix well. Then mix A & B together at the proper ratio excluding the water used to thin. This will allow maximum adhesion and penetration. After twelve hours apply a second coat of full strength "14" Series at the rate of 400 square feet per gallon. Allow this final coat to cure for 36 hours before allowing heavy traffic.

Michael S. De La Vega
LIFE PAINT COMPANY