

LIFE

SPECIALTY COATINGS

25-10

Water Based

Specification Guide

25 Series 2:1 Epoxy & 10 Series

Description

The 25-10 Specification combines a high bonding epoxy primer with a high performance UV resistant 100% acrylic top coat. This quick and easy installation can be used over most general coatings and concrete when a long performance and high quality products are necessary for high foot traffic areas. Anti-skid properties and clear coats are optional for this installation and recommended where water may be occasionally present, for eating areas, and/or ramps/steps are present.

Uses & Recommended Surfaces

The properties of having an epoxy bonding system with an exterior 100% acrylic top coat lends itself to multiple uses in areas of high foot traffic, some vehicular traffic, and many general use areas that require high performance with low future maintenance.

- Concrete Floors
- Driveways
- General Maintenance Areas Around Hotels, Parks, Apartments, Condominiums, and Homes.
- Pool Decks
- Schools
- Walkways
- Restaurants
- Stairs
- Patios
- Store Fronts
- Commercial Areas

Features

- Cool Colors Available
- Excellent Adhesion
- UV Resistant
- Stain Resistant
- Low Odor
- Easy Water Clean-Up
- Fast Drying

Products

25 Series pigmented water based epoxy.

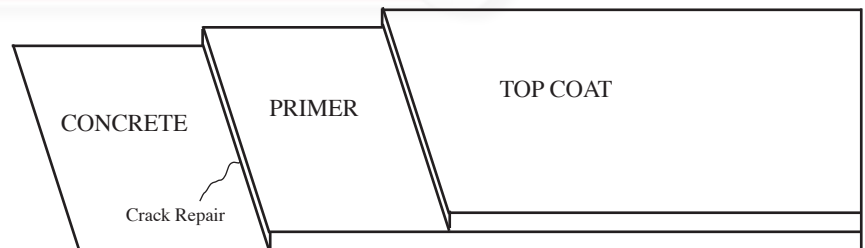
- Primer- 500 square feet per gallon

10 Series pigmented top coat.

- Top Coat- 300 square feet per gallon

LD7200 100% Solids

- Crack Filler/Patching



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 (See *Preparation* section.) 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, moisture and/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*.



LIFE

SPECIALTY COATINGS

25-10

Water Based

Specification Guide

25 Series 2:1 Epoxy & 10 Series

■ 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.

Surface Preparation

Cleaning

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.

Crack Preparation

Use a concrete diamond blade to cut out all cracks and joints to 1/4 inch width and 1/4 inch depth. Clean joints thoroughly and remove all concrete dust and debris.

Etching

■ 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.

■ Prepare surface by either shotblasting, grinding, Liquid Grind™ (approved liquid etch) or, if a previous coating is currently installed, sanding. Prepare concrete profile equal to CSP 2-3 as specified by ICRI (International Concrete Repair Institute). When using a mechanical method, be sure not to be too aggressive leaving behind grind marks or grinding it to a smooth surface.

Crack Fill/Patching Installation

Using LD7200 Crack Patch, mix paste by equal volume 1:1. LD7200 is mixed thoroughly when combined product is completely gray. Apply to crack, joint, or spalled area using a putty knife or trowel, completely filling the space, scraping off extra LD7200 to leave a uniform, level finish. When dry, sand or grind smooth if overfilled. Surface will be ready to prime in 4-6 hours.

Note

■ *When working with epoxies, subsequent coats, or recoats, must be completed before 48 hours after the previous application. If not, sanding of the cured application is recommended to ensure subsequent coat adhesion.*

Primer

The first coat or primer coat should be thinned with water to insure maximum penetration into surface. In a clean, dry bucket, mix two parts A with one part B of 25 Series epoxy together by volume 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. Only prepare the amount you can use in 4 hours or less. The primer is ready to be applied by brush, roller, or squeegee. If using a squeegee, be sure to back roll for uniform coverage. Coverage should be approximately 500 sq. ft. per gallon.



LIFE

SPECIALTY COATINGS

25-10

Water Based

Specification Guide

25 Series 2:1 Epoxy & 10 Series

Top Coat

Box and mix all containers of the 10 Series to insure consistent color. Neatly cut-in all edges with a brush and roll the main area using a 1/2" to 3/4" nap, good quality roller cover. Be sure to spread evenly in a "V" pattern, rolling in both directions. It is best not to apply this product in the direct sun at temperatures above 80°F. Thinning slightly with water and applying thin coats will help avoid streaks when working in direct sun.

Optional Materials

Cool Life Heat Reflective Top Coat

- The 28 Series Cool Life Heat Reflective top coat can be used instead of the standard 10 Series top coat. The 28 Series includes all the great benefits of the 10 Series and additionally is a cooler product to the touch. The patented heat reflective technology can decrease surface temperatures by up to 30% when compared to the same color of the 10 Series top coat.

Additional Top Coats-Clear Protective Coatings

- 4001 Urethane/Acrylic. Adds extra durability, chemical resistance, stain protection, mar resistance and longevity to final color coat. Available in gloss (4001) or satin (4002).
- 2114 Single Component Urethane. Adds extra durability, chemical resistance, stain protection, mar resistance, and longevity to final color coat. Available in gloss (2114) or satin (2116).
- 2110 Clear water based urethane. Adds excellent chemical resistance, UV resistance, mar resistance, protection and longevity to the final color coat. Available in gloss (2110) or satin (2112).

Anti-Slip

- Safe T Grip. Adds a soft, light texture to help prevent slip. (3 oz by weight per gallon.)
- E263. Adds a more aggressive texture to help prevent slip even while wet. (1 pound by weight per gallon.)
- Either skid additive can be added and mixed to the primer coat or top coat. Adding it to the primer coat will result in a less aggressive finish.

Note

▪ *Please refer to individual product technical sheets for more detailed product information on all products within this specification.*

Clean Up

Uncured material can be removed with soap and water. Cured material can only be removed mechanically.

Limitations

- Temperature/Weather: Do not install if the temperature is below 55 degrees.
- Water will ruin uncured products. If inclement weather threatens, cover area to protect new application.
- Do not allow any product to FREEZE while in container.



LIFE

SPECIALTY COATINGS

25-10

Water Based

Specification Guide

25 Series 2:1 Epoxy & 10 Series

Maintenance

Floors should be inspected during use for inconsequential damage and wear. Damage areas should be remediated as soon as possible to prevent further damage to the area(s). To repair, remove any loose coating and refer to this specification; repeat process in affected area.

Clean daily using a dry soft bristled broom, dry mop, or wet mop with a floor/tile cleaner, to retain the epoxy looking new.

Health, Protection and Safety

Refer to individual product container labels, individual product technical data sheets, and SDS for health, protection, and safety precautions.

Warranty

When the warranted product is applied in accordance with this specification guide, label instructions and common sense widely accepted painting practice and procedures, Life Paint will warrant said product against manufacturing defects that might cause premature failure such as blistering, peeling, or unusual wear. Directions are as complete as possible but cannot encompass all conditions, applications, and/or surfaces beyond manufacturer's control. In the event of a warranted failure and upon the presentation of proof of purchase, the remedy will be the provision price for said product. This warranty does not include labor or the costs associated with labor. This warranty may not be transferred or assigned and extends specific legal rights which may vary from state-to-state. No other warrantee is expressed or implied. Life Paint Company, Santa Fe Springs, CA (562)944-6391.

