

# LIFE

## SPECIALTY COATINGS

### Pebblebond

Concrete Resurfacing

### Specification Guide

100% Solids Epoxy & River Rock

#### Description

The Pebble Bond Epoxy System is a scientifically formulated, two component, 100% solid (no solvent) high strength adhesive epoxy resin designed for the ultimate bonding of pebbles to structural substrates.

#### Uses and Recommended Surfaces

The Pebble Bond Epoxy System is used primarily with aggregate pebbles to produce a decorative covering for patios, driveways, pool decks and walkways. By broadcasting dry silica sand over the installed pebbles, an anti-skid finish can be produced.

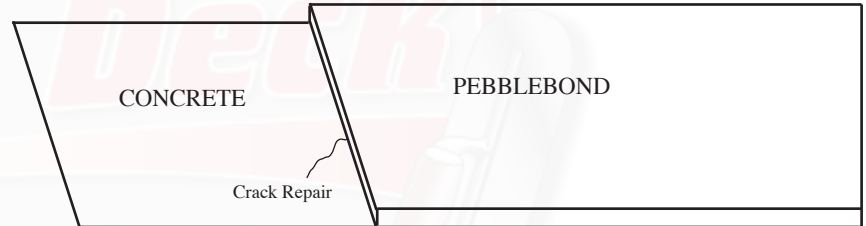
#### Products

ER-210 100% Solids Epoxy

River Rock

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*.

#### \* Note

- Drainage problems or puddling should be corrected prior to the installation of Pebblebond System.



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#### 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.

##### Primer (Optional for difficult to adhere to surfaces)

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.

##### Coverage

A batch of 1.5 Gallons of ER-210 and 200 pounds of pebbles should cover approximately 50 sq ft.

##### Mixing

Stir each component before proportioning. Measure out 2 parts resin to 1 part hardener (by volume). Pour the hardener into the resin. Mix with a mixing paddle attached to a slow speed (400-600 rpm) electric drill for 2 to 5 minutes, until blend is uniform in color. Mix only that quantity which can be used in 20 minutes. Combine the mixed Pebble Bond Epoxy with clean kiln dry river pebbles and mix for approximately 3 to 4 minutes or until all aggregate is thoroughly coated. It is recommend to use 1-1/2 gallons of epoxy with 200 lbs. of 1/4" x 5/16" pebbles. Smaller pebbles require more epoxy.



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#### Application

Rake the epoxy/pebbles so that their depth is 3/8" - 1/2" deep or approximately 3 to 4 pebbles thick. Use a standard concrete trowel (14"x4") to smooth the pebbles into a comfortable walking surface. Continue troweling smooth and wiping trowel clean with solvent as needed. For anti-skid finishes, broadcast #30 silica sand over the pebbles while still wet.

#### Dry Time

Allow 24 hours for light foot traffic and 72 hours for heavy or vehicular traffic.

#### Note

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

#### 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.

#### Maintenance

- Most stains clean up with TSP and water. Use only a bristle scrub brush.
- The Pebblebond Overlay should be resealed with Pebblebond Epoxy every 2 to 4 years depending upon ultraviolet exposure from the sun.
- For extra UV protection, the Pebblebond Overlay can be resealed with LD2009 Polyurea.

#### Clean Up

Uncured material can be removed with a solvent. Cured material can only be removed mechanically.

#### Repairs

Repairs may be done by grinding off the damaged area and replacing the material as written in this specification.

#### 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. Cracks in the subsurface will telegraph through and are not covered under any warranty. 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.

