



LIFE PAINT

PRODUCT SPECIFICATIONS



EPOXIES

PEBBLEBOND- EPOXY EMBEDDED 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

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. Pebble Bond Epoxy can be used for filling cracks in existing concrete and bonding many types of materials to each other.

Advantages

- * Exceptional Tensile Strength
- * Superior Anti-Chalking Inhibitors
- * High Abrasion Resistance
- * Extra Ultra Violet Inhibitors
- * Durable High Gloss Finish
- * Chemical Resistant

Packaging

Epoxy ER 210- 1-1/2 gallon & 15 gallon kits
River Rock- 50 lb bags

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.

Surface Preparation

Substrate should be clean and dry. Remove dust, laitance, grease, rug glue etc. Painted surfaces should be scored with grinding equipment. All loose paint must be removed.

Priming Requirements

For best results, apply 25 Series as a primer coat. (See 25 Series specification sheet for application instructions.)

Coverage

1 1/2 gallons of mixed epoxy combined with 200 lbs. of 1/4"x 5/16" aggregate will cover approximately 50 sq.ft. Coverage will vary depending on condition of surface, size of aggregate and desired thickness.

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 gallon of epoxy with 200 lbs. of 1/4" x 5/16" pebbles. Smaller pebbles require more epoxy.

Application Rate

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.

Top Coat

An additional top coat may be applied the following day using the same epoxy. Mix and roll on with 3/4" nap roller at the rate of 300-400 sq.ft. per 1-1/2 gallon kit.

Limitations

Do not install in temperatures below 60° F or above 95°F. Do not dilute. Use only clean, oven-dried aggregates.

Temperature/Weather

Do not install if the temperature is below 60°F. or above 95°F.

Drying Time

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

Clean Up

Clean up uncured material with solvent. For cured material remove mechanically.

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Caution

All epoxies have the potential of causing skin irritations or allergic reactions, Be careful not to get on skin, clothes or in eyes. Glove and Respirators are strongly recommended. Avoid breathing vapors.

If splashed in the eye, flush with warm water and contact a physician if blurring persists.

Maintenance

Clean as needed with TSP and water. Power wash as needed or at least annually. Re-glaze with epoxy at 300 sq. ft. per 1 1/2 gallon kit every 2 to 3 years or as needed to avoid pebble loss.

INSTRUCTIONS TO RESEAL PEBBLE BOND

1. Make sure pebbles are clean. Do not seal in dirt or stains.
2. Do not seal the pebbles if they are damp or wet as this may cause the epoxy to turn white.
3. **If the outside temperature is over 80°:**
 - a. Reseal the pebbles in the morning or evening when the pebbles are out of direct sunlight. If the pebbles are hot, the epoxy will cure while your are working.
 - b. Begin work immediately or the entire batch will solidify. If this happens, do not touch it as it will be very hot (170°).
 - c. The epoxy and cure should be mixed until well blended, approximately 60 seconds.
4. If the outside temperature is 65° or lower, longer mixing time is required. Mix approximately 2 minutes.
5. Using a 1/2" nap paint roller, roll the epoxy onto the pebbles.
6. The epoxy is mixed 2 parts resin to 1 part cure. A 1-1/2 gallon kit will cover approx. 300 sq. ft.
7. Pour the resin into mixing container first, then add the cure.
8. Do not mix more than 3/4 gallons at one time.
9. Depending on the weather, the epoxy will cure in 12 to 36 hours. Cure time will be longer if pebbles are not in direct sunlight.
10. The cure has shelf life of approximately 1 year. Using it past that time may cause improper curing.
11. Acetone may be used to clean tools. Discard roller cover after use.

Technical Data

Pot Life (3 oz.)	1 hour
Viscosity (Bookfield) cps.	2,400
Shore Hardness (ASTM D-2240)	79-81 -D
Gel Time (5 mil)	6-8 hrs.
Tensile Strength (ASTM 0-638)	6,000 psi
Flexural Strength (ASTM 0-790)	7,000 psi
Compressive Strength (ASTM D-695)	6,500 psi
Bond Strength (ASTM C-321) (24 hrs.)	6,00 psi
Elongation (ASTM D-638)	22%
Water Absorbtion (24 hrs.)	0.2%
Shelf Life	2 yrs

Scrape sides and bottom of container when mixing. Stir until all swirls of hardener are mixed in well.

