



EC

EPOXY COAT
DURABLE RESINS & HARDENERS

Epoxy Pebble

Description

The Epoxy Pebble System contains EC-84 Pebble Binder, a scientifically formulated, two-component, 100% solids, high strength adhesive epoxy resin designed for the ultimate bonding of small smooth pebbles to structural substrates.

Uses

The Epoxy Pebble System is used primarily with small smooth pebbles to produce a decorative covering for patios, sun rooms, garages, walkways and game rooms. By broadcasting dry silica sand over the installed pebbles, a skid resistant finish can be produced. EC-84 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
- Durable High Gloss Finish
- Chemical Resistant
- Decorative

Packaging

EC-84 Pebble Binder 1½ and 15 gallon kits
Pebbles available from Sheridan White Rock or various vendors

Caution: Approval and verification of proposed colors, textures, and slip resistance is recommended.

INSPECTION / PREPARATION

Inspection

Concrete must be clean, dry, and free of grease, paint, oil, dust, curing agents, or any foreign material that will prevent proper adhesion. The concrete should be at least 2500 PSI and feel like 30 to 50 grit sandpaper. The concrete should be porous and be able to absorb water. A minimum of 28 days cured is required on all concrete. Prior to starting work, test existing concrete slab for efflorescence, moisture, and hydrostatic pressure.

or water blasting. Methods may vary according to the thickness of the coating to be applied, and the condition and hardness of the concrete. Other factors include the anticipated use of the surface and the environment in which it is to be installed. When preparing the surface use caution when shot blasting around pools.

Preparation

Pre-cut and clean all cracks and joints with a concrete diamond blade to at least ¼ x ¼ inch. Prepare concrete to a profile equal to 30 or 50, grit sandpaper. You may mechanically profile by grinding, shot blasting, scarifying,

Moisture

All concrete should be tested for moisture before applying a seamless coating. Water vapor transmission upwards through on-grade concrete slabs may result in loosening of epoxy floors or improper curing of epoxy materials. If moisture emissions exceed 10 lbs./1000 sq ft. contact the manufacturer before application.

APPLICATION

Crack Filler

Mix 1 part A with 1 part B (by volume) of EC-72 Epoxy Patch Gel for 3-4 minutes and apply to the crack using a trowel or putty knife. Patch all spalls and cracks with EC-72. The material may be slightly overfilled in the crack and sanded or ground smooth.

Primer

For best results, prime with EC-84 thinned up to 20% with solvent and broadcasted with #20 Silica Sand.

Mixing

Pre-mix each component of the EC-84 Pebble Binder separately. In a clean bucket, mix 2 parts A with 1 part B, by volume of EC-84 being sure to pour the part B into the part A. Mix thoroughly with a low speed (400-600

rpm) drill motor for 3-4 minutes. Make sure to scrape the sides and bottom of the container during mixing. After mixing is completed, remove from container within 5 minutes, as epoxy will begin to generate heat. Mix only that quantity which can be used in 20 minutes.

Combine the mixed EC-84 with clean kiln dry river pebbles and mix in a cement mixer or by hand with a shovel for approximately 3 to 4 minutes or until all pebbles are thoroughly coated. It is recommended to use 1½ gallons of EC-84 with 200 lbs. of ¼ x 5/16 inch pebbles. Smaller pebbles require more epoxy.

Coverage

1½ gallons of mixed epoxy combined with 200 lbs. of

¼ inch x ⅝ inch pebbles will cover approximately 50 square feet. Coverage will vary depending on condition of surface, size of pebbles, and desired thickness.

Applying Product

Rake the epoxy pebble mix so that the depth is ⅜ to ½ inch deep or approximately 3 to 4 pebbles thick. Use a standard concrete trowel (14 x 4 inch) to smooth the pebbles into a comfortable walking surface. Continue to trowel smooth and spray trowel with water as needed. For skid resistant finishes, broadcast 30 silica sand over the pebbles.

Dry Time

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

Topcoat

An additional topcoat of EC-84 may be applied when dry to touch or within 24 hours. Mix and roll on with ¾ inch nap roller at the rate of 300-400 square feet per 1½ gallon kit.

Clean Up

Uncured material should be cleaned up with solvent. If cured, material can only be removed mechanically or with an environmentally-safe solvent.

MAINTENANCE

Clean as needed with TSP and water. Power wash as needed at least annually. Re-glaze with EC-84 Pebble Binder at a

rate of 300 sq. ft. per 1½ gallon kit every 2 to 3 years or as needed to avoid pebble loss.

LIMITATIONS

- Read individual Product Specification Sheet on each product prior to start of the project.
- Be sure to do adequate surface preparation.
- Be sure to measure and mix properly.
- This system is designed for professional use only.
- Do not apply at temperatures is below 50°F or above 90°F.

- All Epoxy coatings will amber, fade and deteriorate in the sun, suggested for use in areas without direct sunlight.
- Use only clean, oven-dried pebbles
- Do not allow any Westcoat products to FREEZE.
- Caution: Approval and verification of proposed colors, textures, and slip resistance is recommended.

HEALTH PRECAUTIONS

Inhalation of vapor or mist can cause headache, nausea irritation of nose, throat, and lungs. Prolonged or repeated skin contact can cause slight skin irritation.

Be careful not to get on skin, clothes or in eyes. Glove and respirators are strongly recommended. If splashed in the eye, flush with warm water and contact a physician if blurring persists.

DISCLAIMER

PURCHASER'S SOLE AND EXCLUSIVE REMEDY AGAINST THE MANUFACTURER OF WESTCOAT, SHALL BE LIMITED SOLELY TO THE REPLACEMENT

OF ANY DEFECTIVE MATERIAL OR A PAYMENT BY THE MANUFACTURER IN AN AMOUNT EQUAL TO THE COST OF THE ORIGINAL MATERIAL.



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