

DECORPOXY™

Decorative Epoxy Resurfacer



DESCRIPTION

Decorpoxy™ is a 100% solids three component epoxy system consisting of a compound resin (Can A), a catalyst or hardener (Can B) and an aggregate compound. **Decorpoxy™** is characterized by a fast curing time and will bond to concrete, wood, steel, aluminum, glass and ceramics. The interaction of these components produces a durable flooring surface, which is ideally suited to industrial and institutional requirements.

Decorpoxy™ may be used for surfacing new and old floors. **Decorpoxy™** floors are non-shrinking, quick setting, and resistant to thermal and physical shock, abrasion, water, acids, alkalis and solvents. In addition, **Decorpoxy™** floors are non-skid and are ideal for installation in wash rooms or similar areas where water flooding occurs and sure footing is a prime safety requirement.

USES

Decorpoxy™ can be used on traffic aisles, loading docks, storage rooms and stair treads, doorways and elevator entrances, ramps, washrooms, locker rooms, laboratories, and assembly lines. **Decorpoxy™** is also ideal for restaurants, food handling areas, kitchens, laundries, wet areas, kennels, stalls, animal pens, poultry processing plants, machine shops and metal fabrication, hospitals, swimming pools, ship docks, airfield runways, aprons and hangers.

PRODUCT ADVANTAGES

- Adds years of life to any floor.
- Your choice of several colors.
- Non-skid, helps prevent accidents.
- Completely resistant to abrasion.

YIELD/COVERAGE

20 sq. ft. at 1/4".

PACKAGING

5-gallon pail

SURFACE PRIMING

When porous surfaces are encountered it is advisable to utilize Garon Prime™ prior to the installation of **Decorpoxy™** topping and parent flooring surface. This procedure eliminates any voids that may result if the

TYPICAL TECHNICAL DATA FOR DECORPOXY™

(Product and curing conditions at 73°F and 50% R.H.)

Storage Conditions	Store in dry conditions at 40°F -95°F
Shelf Life	1 year
VOC (Mixed)	0 grams / liter
Set Time	Pot life (.45 cu. ft. mix): 30-40 minutes Light Traffic: 4-6 hours Full Cure: 24 hours
Compressive Strength (ASTM D 695)	14,000 psi
Tensile Strength (ASTM D 638)	2,500 psi
Hardness (Adhered) (ASTM D 1706)	75
Flexural Modulus of Elasticity (ASTM D 790)	>250,000 psi
Impact Resistance (MIL D 3134F)	No cracking
Water Absorption (MIL D 3134F)	.45%
Adhesive Strength (MIL D 3134F)	2,900 psi
Temperature Changes (MIL D 3134F)	No softening
Heat Resistance Limitations (MIL D 3134F)	150°F

Decorpoxy™ does not "wet out" particular areas of the floor to be repaired or resurfaced. Garon Prime™ is supplied in pre-measured units and should be mixed and applied just prior to the application of **Decorpoxy™**.

SURFACE PREPARATION

If surface is primed with Garon Prime™, disregard this surface preparation. All surfaces must be clean and dry prior to application of **Decorpoxy™**. Remove all unsound concrete, paint, grease, oil and dirt, etc. Acid wash surface with muriatic acid (if necessary) and rinse with water. Neutralize and allow surface to dry. For wooden surfaces, power sand then sweep or vacuum. Use sand blasting where possible for optimum results on steel. Dri-Prep™ (Item #13910) is available as a safe, easy-to-use alternative to muriatic acid for concrete surface etching and cleaning.

Mixing, Application & Placement (Trowel Application)

MIXING

The components should not be mixed until the surface is clean, dry, and ready for application. Always pour part B into part A. Pour into the large mixing can and stir for one minute. Add the aggregate slowly and continue mixing until completely saturated. When all the components are mixed and no dry spots of aggregate remain, allow the mix to set for 5 minutes before using. The material is now ready for troweling. Parts A, B, and C are exact proportions and cannot be substituted. Care must be taken that all materials are used and that safety precautions listed below are observed while mixing. Use a one-half inch slow speed drill for best results.

Use a screed or screed box for guidance to obtain proper thickness. Approximately 1/8" to 1/4" troweling is ample for steps, platforms, trucking aisles and similar locations. When applying the material, spread it out on the surface and tamp into location within the forms. Smooth off the **Decorpoxy™** with a striking board reaching across the forms and use a slow, saw-like motion. After material has had its initial set,

trowel finish as desired using a slow trowel motion. Do not over trowel. Keep tools clean. If trowel sticks, clean in warm water, but use sparingly. For best results, temperatures should be above 60°F, as the curing process is hastened by warmth. If Decorpoxy™ has fully cured and a top coat is desired, you must roughen up or “de-gloss” the surface with a 24-grit sanding disk before applying top coat.

Mixing, Application & Placement (Broadcast Application)

Prepare the surface as outlined in the *Surface Preparation* section above. Prime surface with appropriate primer (Garon™ Prime) and spread rate. Mix part A & B of each unit in their entirety. When combining, be sure to add the hardener first. Add the resin and scrape out the container. Be careful to pour both hardener and resin into the center of the mixing pail. Mix the blended epoxy with a slow speed power drill with a Jiffler mixing blade for 3 minutes. **Always scrape the sides and bottom of the mixing bucket to assure thorough blending.** Apply a “flood coat” of blended epoxy at approximately 100 sq. ft. per gallon with a 3/16” V-notch squeegee and back roll with a quality non-shed roller. Broadcast Garon Aggregate supplied with each **Decorpoxy™** unit. Wearing spiked shoes or golf shoes, walk on the wet epoxy holding a 2 gallon container and broadcast the aggregate until the floor appears dry (about 1/2 lb. Per Sq Ft). Be sure to keep moving while throwing the aggregate UP into the air so it falls vertically onto the epoxy. It may take 20 to 30 seconds for the aggregate to be absorbed by the epoxy.

IMPORTANT: Do not “seed” the edge that will be joining the next section. Be sure to leave a “Wet Edge” (a 24” strip “unseeded” to permit overlapping when proceeding onto next section). Do not walk on the aggregate with spiked shoes. Be sure to keep any impurities out of the sand such as broom bristles, debris, etc. Allow to cure. Sweep off the excess aggregate using a stiff, clean, dry broom with synthetic bristles. Save the sweep off and use it for the next

broadcast. Repeat the same steps above for a 1/8” thickness and *TWICE* for 3/16” thickness. Sweep off the excess aggregate again. Scrape the floor with a trowel. Sweep or vacuum the floor again.

TOPCOAT INSTRUCTIONS

Use **Garon Glaze™** clear topcoat, (1 coat for standard, 2 for orange peel, 3 for smooth) to limit ambering from UV exposure. Follow the same pouring and mixing procedures as described in the broadcast coat. Apply the topcoat with a 12” flat squeegee. Move squeegee in a continuous semi-circular motion from left to right to left, etc. Steady pressure on squeegee is necessary to obtain a uniform appearance. Do not advance squeegee too rapidly, each semi-circular swing should advance approximately 4 inches. Practice reversing direction of the squeegee movement at the end of each left to right to left stroke, then continue. Remove all puddles and ridges before they are out of reach. Start movement of squeegee in a dry area, move onto wet **Garon Glaze™** clear topcoat and continue to move squeegee until it reaches a dry edge. Back roll with a quality short nap, non-shed roller. For multiple topcoats, sand the floor in between topcoats with a floor buffing machine and sanding attachment. Use 3½” closed coat sandpaper. Sweep or vacuum the floor again and repeat for each topcoat (For a urethane high-performance topcoat use **Garon Hi-Gloss™** which can be applied as soon as epoxy has cured.)

NOTE: Temperature and humidity are major factors in determining cure time. Typically, cure times can double with each 10°F drop in temperature. Cure times can reduce by half with each 10°F increase in temperature.

LIMITATIONS

The user is responsible for proper application. Garon personnel field visits are for the purpose of providing technical assistance only and are not for providing quality control or supervision on the jobsite.

WARNING! Causes severe burns. Contains alkaline amines. May cause skin sensation or other allergic responses. Do not get in

eyes, on skin or clothing. Avoid breathing of vapor. Use with good ventilation. Wear protective clothing, goggles, and/or barrier creams. Wash clothing before reuse. If any contact occurs, wash immediately with soap and water. In case of contact with eyes, flush with water immediately and contact a physician

FIRST AID

Skin contact- wash thoroughly with soap & water. If any product gets into the eye, rinse immediately and repeatedly with water for at least 15 minutes. For respiratory problems, remove person to fresh air. Wash clothing before re-use.

CLEAN UP

Contain spills. Ventilate area. Use absorbent materials to collect. Dispose of according to local, state, federal regulations. Mixed components—uncured material can be removed with an approved xylene or ketone solvent. Cured material must be removed by mechanical means.

Keep container tightly closed. Not for internal consumption—consult MSDS for additional information. This product is for professional use only.

KEEP OUT OF REACH OF CHILDREN

PRODUCT ITEM #153814 (5 gallon)
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