

DECOPOXY WATER BASE CONCRETE COATING



“The Innovating Company”

PRODUCT DESCRIPTION

DECOPOXY is a water borne, low VOC penetrating epoxy coating that has been specifically formulated to protect interior commercial or residential cementitious floors. It provides a high gloss, wear and chemical resistance, and an easy to maintain finish, while bringing up the full depth of color on acid stained or decorative floors.

ADVANTAGES:

- Enhances depth of color on decorative surfaces and acid stained jobs.
- Provides full wet look, high gloss and high wear resistance. Ideal for commercial applications.
- When used in conjunction with Final Coat, it provides a long lasting easy to maintain floor.
- Excellent mechanical bond to concrete (locks into concrete).
- Improves vapor pressure resistance. (Seals concrete)
- If top coated, it increases topcoat coverage, adhesion and performance
- Small particle size allows deep penetration into concrete via capillary action.
- May be used as primer for both water and solvent base sealers.
- Helps prevent delamination.
- Non-Flammable, Low-Odor and Toxicity.
- Superior Chemical Resistance.
- Easy to Recoat

LIMITATIONS:

Apply only to concrete placed on well-drained sub floors and not subject to hydrostatic pressure. Rising moisture may bring alkali and mineral deposits to the surface at cracks and joints edges leaving a whitish film on the surface. Entrapped moisture may cause whitening of the sealer, mineral deposit buildup and delamination.

Do not allow material to freeze, floor temperature must be between 50° F and 92° F during application. Do not apply if temperature will drop below 42° while the sealer dries. Do not apply to floors where penetrating water repellants have been used. DECOPOXY has a useful pot life of 2 hours.

Do not apply to very smooth concrete or power troweled floors, these floors must be chemically or mechanically abraded before applying, to ensure

good mechanical bonding the sealer must be able to penetrate the surface.

USE WITHIN TWO HOURS OF MIXING; discard mixed material after 2 hours even if it remains in a liquid state. DecoPoxy is white in color and will clear as it dries, if used past it's useful pot life it may not clear and may have to be stripped and re-applied.

SURFACE PREPARATION:

As with all epoxies, good substrate preparation is paramount for the successful bonding and longevity of the coating. Epoxies bond to substrates by mechanical adhesion, which means the epoxy needs to grab onto something to properly bind itself to the floor. Smooth floors, power and steel troweled concrete floors and non-porous surfaces need to be opened and brought up to a minimum of 120 grit like texture before the epoxy is applied onto it.

The surface must be completely free of oil, grease, curing compounds, water repellants and any other foreign material that may inhibit the penetration of the sealer into it. The surface must be porous as to allow sealer penetration, roughen up non-porous surfaces or power troweled concrete with a mild muratic acid-water solution (1 to 20) or by mechanical means (shot blaster, sand blasting, scarifying, etc) then test for water absorption. The epoxy sealer must be able to reach the capillary canals to effectively bind itself to the concrete. Acid etched or Acid Stained floors should be neutralized with a baking soda and water solution (1 lb. baking soda to 5 gallons of water) or DecoClean and water (1 part DecoClean 10 parts water), or a water-ammonia solution (1 cup of ammonia per 5 gallon of water), after neutralizing rinse until floor is residue free and rinse water is clean. It is important that there is no residue on the surface and the concrete is fully dry before application

APPLICATION:

A representative area should be coated prior to general application to test for color, adhesion, performance and workmanship.

Once surface is prepared, dry and properly tested, apply DECOPOXY. Mix part A and part B (2 to 1 mix ratio by volume) pour into a mixing container and

mix for a minimum of two minutes with a power drill and mixing paddle, failure to properly mix this coating may result in sub standard performance, for better results use the entire contents of both bottles for adequate mixing ratio, if smaller quantities are mixed, make sure it is measured properly, always mix two parts Part-A to one part Part-B.

DECOPOXY may be applied with an airless sprayer, 1/4" to 3/8" nap roller or painters pad at a rate of 400 to 500 square feet per kit (1.5 gallons), an airless sprayer provides a smoother, glossier finish. On interior flat surfaces a painters pad and/or a 1/4-nap roller may be used, evenly roll DecoPoxy and follow immediately behind and smooth out with the painter's pad, this eliminates roller marks and air bubbles.

Two coats minimum are recommended. Allow drying for three to six hours and apply second coat, longer time may be needed in cold weather or if applied to a damp surface, wait until almost tack free before second coat, do not wait more than 24 hour to recoat. Always apply in multiple thin coats. If protective material will be placed on top of DECOPOXY, do not use plastic, use construction paper and do not tape anything onto the sealer, tape paper to paper. Placing tape directly on the sealer may cause moisture to rise to that area, possibly creating whitening of the film and/or delamination. DECOPOXY may be top coated with water base or solvent base sealers or waxes. DecoPoxy may be used as a primer for PolyBright water base polyurethane, allow DecoPoxy to dry for 4 to 5 hours, apply PolyBright with an airless sprayer at a rate of 300 to 400 square feet per gallon. PolyBright may also be applied with a painters pad or 1/4" roller at a rate of 600 to 800 square feet per gallon, apply several thin coats to build up a high wear and scratch resistant shield.

If topcoat is to be a solvent base sealer ALLOW DECOPOXY TO DRY FOR 24 HOURS. Before applying any topcoat test small area prior to full application. Test thoroughly before use.

TECHNICAL DATA AND SPECIFICATIONS:

Coverage Rate.....	400 ft ² per kit (1.5 gallon)
VOC.....	190 Gms x liter
Color.....	Milky-White
Odor.....	Mild
Water Miscible.....	Yes
Solids.....	35%
Shelf Life.....	1 year
Recoat Time.....	4 to 6 hours
Mixing Ratio.....	2 to 1 by volume (A/B)
Application Temperature.....	45°F to 90°F

MAINTENANCE:

Floors coated with DecoPoxy may be easily maintained by using Final Coat Floor Finish as a sacrificial coat. Apply Final Coat with a lamb's wool applicator or sponge mop at a rate of 800 to 2000 square feet per gallon. For commercial applications a minimum of 5 coats and up to 10 coats are recommended. For light use or residential applications apply 2 to 3 coats. **Final Coat** premium floor finish will ensure a high wear resistance, high gloss and easy to maintain long lasting finish.

WARRANTY: DECOPOXY SEALER is warranted to be of uniform quality within manufacturing tolerances. Since control is not exercised over its use, no warranty, expressed or implied, is made as to the effects of such use. Seller and manufacturer's obligation under this warranty shall be limited to refunding the purchase price of that portion of the material proven to be defective.



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For professional use only
Consult Material Safety Data Sheet before use.