

INSIDE EPOXY

100% SOLIDS CYCLO ALIPHATIC EPOXY

Inside Epoxy is a 100% solids, two component, cyclo-aliphatic amine epoxy system. Inside Epoxy offers excellent durability including abrasion resistance, chemical resistance and hot tire resistance. Inside Epoxy is a low odor, user friendly high performance concrete flooring system.

Specifications / Compliances • Dried coating is USDA accepted • Meets OTC, CARB, LADCO & SCAQMD VOC restrictions.



KEY FEATURES & TYPICAL BENEFITS

- Excellent for a variety of seamless, high build concrete flooring applications.
- Enhanced flow and leveling properties make this a favorite by flooring contractors.
- Use this product as the base coat and metallic coat in the *Liquid Nebula Metallic Pigment for Epoxy* flooring system.
- Can be tinted for solid color applications with the *Concrete Coatings Coloring System*.
- VOC compliant for most areas in the United States and Canada.

RECOMMENDED APPLICATIONS

- Auto Service Centers
- Warehouses
- Laboratories
- Aircraft Hangars
- Cafeterias
- Garages
- Flake, Quartz & Metallic Flooring applications.

Typical Properties & Technical Information

PROPERTY	VALUE
Solids/Active Content, Percentage by weight	100%
Pot Life	20 Minutes
Dry Time - Tack Free	6 - 8 hours
Dry Time - Foot Traffic	14 - 18 hours
Dry Time - Heavy Traffic	2 - 7 days
Re-Coat Time Window	10 hours - 16 hours
Application Temperature	50° F - 80° F
VOC (Volatile Organic Compound) Content	Less than 50 grams/Liter (Mixed A&B)
Appearance - Dry	Clear and High Gloss

Information above is based on lab temperatures of 70° - 72°F at 50% RH. Using this product outside these conditions may affect the accuracy of the information above. Always test prior to use!

ALWAYS REFER TO SDS & READ FULL TECH DATA SHEET AND WARRANTY INFORMATION PRIOR TO USE.



FOR PROFESSIONAL USE ONLY

ENGRAVE-A-CRETE, INC.

Technical Data Sheet (TDS)

CONCRETE RESURRECTION CR-531 Inside Epoxy

100% SOLIDS CYCLO ALIPHATIC EPOXY, TWO COMPONENT

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APPLICATION INSTRUCTIONS

Moisture Testing

Place a 4'×4' plastic sheet on concrete and tape edges. After 24 hours, if dry underneath, surface is ready. If moisture is present, perform calcium chloride and RH probe testing.

Surface Preparation

- Concrete must be structurally sound, clean, dry, and cured 28 days.
- Recommended mechanical prep: shot blasting or diamond grinding (30 grit or coarser) for CSP-2 to CSP-3.
- Vacuum thoroughly.
- For existing coatings outside re-coat window: sand with 60–120 grit until dulled.
- Rinse and dry completely.
- Optional acetone wipe (extremely flammable—follow all safety precautions).

Temperature Requirements

Substrate, air, and material must be 50°F–80°F. Higher temps/humidity speed cure; lower temps slow cure.

Tinting

- Tint with Concrete Coatings Coloring System.
- One pint per 3-gal kit for solid color.
- One quart Liquid Nebula Metallic Pigment per 3-gal kit for metallic.
- Add color to Part A and mix 2–3 minutes before blending A+B.
- Multiple coats may be needed for opacity.

Mixing

- Mix Part A and Part B separately before combining.
- Blend 2 parts A to 1 part B for 2–3 minutes.
- Avoid vortexing (introduces air/moisture).
- Do not thin.

Coverage Rates *(varies based on concrete surface porosity and amount of material applied)*

- First Coat (direct to concrete): 300–375 ft²/kit
- Second Coat (over existing coating): 225–375 ft²/kit

- Metallic Coat: 225–300 ft²/kit

Application

- Immediately pour mixed epoxy onto the surface.
- Spread using flat flexible or notched squeegee:
 - 1/8" (8–12 mil) direct to concrete
 - 3/16" (15–20 mil) over sealed surfaces
- Back-roll clear or solid color epoxy with 3/8" shedless or foam roller (18" recommended).
- For metallic systems, refer to Liquid Nebula Metallic Pigment TDS.
- Maintain wet edge.
- Do not puddle.
- Remove excess in joints with brush.
- If material thickens or sticks to tools, discard—pot life has expired.

Re-Coating

- Re-coat within 10–16 hour window when possible.
- High temps/humidity shorten re-coat window.
- If beyond 24 hours: sand with 60–120 grit, rinse, dry, optional acetone wipe.

Important Notes

- Applying outside parameters may cause failure.
- Test in inconspicuous area.
- Too thin = poor film formation.
- Too thick = bubbles/hazing.
- DO NOT USE ON BRICK.

COF Warning

ADA requires coefficient of friction:

- .6 on level surfaces
- .8 on ramps

Slip-resistant aggregate recommended for wet/oily/greasy conditions.

PRECAUTIONS AND LIMITATIONS

- Product will freeze; store above 40°F.
- Block HVAC ducts to prevent fume distribution.
- Use proper ventilation during and after application.
- Do not apply over carpet, tile, or floor adhesives.
- Best performance with 1–2 medium-light coats.
- Slippery when wet—add anti-slip additive if needed.
- New concrete must cure 28 days.
- Do not thin.
- May darken concrete—test first.

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- Part B is corrosive—use proper PPE.
- Not UV stable; do not use outdoors or in sunlight-exposed areas.

Clean-Up

Use MEK. Dispose according to regulations.

Product Removal

Use commercial epoxy stripper or mechanical grinding/sandblasting.

Shelf Life

Up to 1 year unopened at room temperature.