

TECHNICAL DATA SHEET

250 HP Cyclo 100% EPOXY

Epoxy 100% solids

CPR 250 HP

2250 HP Cyclo Epoxy is a 100% solids, two-component, cycloaliphatic amine epoxy system that provides superior performance for concrete floors. It offers:

- Exceptional Durability: High resistance to abrasion, chemicals, and hot tire pickup.
- Low Odor: Ideal for indoor applications with minimal odor.
- User-Friendly Application: Easy to apply, making it suitable for both industrial and commercial environments.

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

| Automotive | PROPERTY | VALUE |
|--|---|--------------------------------------|
| Service Centers | Solids/Active Content, Percentage by weight | 100% |
| Warehouses | Pot Life | 20 minutes |
| Aircraft Hangars | Dry Time - Tack Free | 6 - 8 hours |
| Ancrait HangarsCafeterias | Dry Time- Foot Traffic | 14 - 18 hours |
| | T ensile ASTM D4 12 | 4500 (filled |
| Garages | Dry Time - Heavy Traffic | 2 - 7 days |
| Flake, Quartz, | Re-Coat Time Window | 10 - 16 hours |
| and Metallic | Application Temperature | 50° F - 80° F |
| Floors | VOC (Volatile Organic Compound) Content | Less than 50 grams/Liter (Mixed A&B) |
| | Appearance - Dry | Clear and High Gloss |

ADVANTAGES

- 250 HP Cyclo Epoxy is ideal for seamless, high-build concrete flooring applications. It offers:
- Superior Flow and Leveling: Preferred by flooring contractors due to its smooth application properties.
- Base Coat for Metallic FX[™] System: Perfect as the base coat and metallic layer in the Metallic FX[™] flooring system.
- Tinting Capability: Can be tinted with CPR Colours for solid color applications.
- VOC Compliance: Meets VOC regulations in most areas of the United States and Canada.



www.cprmaterials.com





El Paso Tx

(915)-241-7909

Available in: 3 Gallon Kits

15 Gallon Kits

Shelf Life

1 year in original unopened container.

Storage Conditions Store material between 50°F and 80°F.

Pre-tinted now avaliable

- Black
- Medium Gray
- Light Gray
- Sun Buff

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TECHNICAL DATA SHEET

MOISTURE TESTING

Concrete floors without a proper vapor barrier may experience moisture vapor transmission, causing bubbles or coating failure.

To test for moisture, place a 4' x 4' plastic sheet on the surface and seal the edges. After 24 hours, if the area underneath is dry, the surface is ready for coating. If moisture is present, conduct calcium chloride or humidity tests before application.

TINTING

- Add 2-3 oz. of Kolour Koat Acrylpack-S per gallon for solid colors.
- For crack blending on dyed and sealed floors, add 0.25-0.5 oz. of Exterior Kolour Dye per gallon.
- Always add the color to Part B and mix with a drill for 2-3 minutes before combining with Part A.
- Color may settle over time, making redistribution difficult.
- When using semi-transparent dyes or stains, cracks may not absorb color evenly. Test in a small area before full application.

SURFACE PREPARATION

- Concrete must be mechanically and structurally sound, free of debris, and completely dry.
- Cure concrete for at least 28 days before coating.
- Prepare surface using shot blasting or 30-grit diamond grinding to achieve a CSP-2 to CSP-3 profile.
- Vacuum thoroughly to remove dust.
- For recoating over an existing bonded coating outside the recommended window, sand with 60-120 grit until dulled and scratched.
- Clean surface with acetone and a microfiber mop when applicable.
- △ Caution: Acetone is extremely flammable! Follow all safety precautions and avoid sources of ignition.
- Temperature for substrate, air, and material must be between 50°F and 80°F. Application outside these limits may cause bubbles, hazing, or improper film formation.
- Higher temperatures and humidity accelerate curing, while cooler temperatures and lower humidity slow the process.
- PPE Required: Use gloves, goggles, respirator, and other necessary protective equipment. Refer to SDS before use.

MIXING

• For partial kits, mix Part A and Part B separately using a stir stick, low-speed mixer, or by shaking vigorously before measuring to ensure uniform ingredient distribution.

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- In a clean container, blend 2 Parts A and 1 Part B using a drill mixer for 2-3 minutes.
- For full kits (except 15-gallon kits), Part A's container may be used as the mixing container.
- Avoid creating a vortex during mixing to prevent introducing air or moisture.
- Do not mix more material than can be applied within the pot life.
- DO NOT THIN!

COVERAGE RATE

- First Coat Direct to Concrete: 100 125 ft² per gallon*
- Second Coat Over Existing Coating: 75 125 ft² per gallon*
- Metallic Coat Over Existing Coating: 75 100 ft² per gallon*

Coverage rates may vary based on surface porosity, texture, application method, and previous coating application. Avoid excessive build-up.

APPLICATION INSTRUCTIONS

- Pour Immediately: Pour the mixed material directly onto the surface. Spread using a flat or notched squeegee.
- Squeegee Guidelines:
- 1/8" (8-12 mil) notched squeegee for direct-to-concrete applications.
- 3/16" (15-20 mil) notched squeegee for additional coats over sealed surfaces.
- Back Rolling: Use a 3/8" nap shedless roller or foam roller for clear and solid color epoxy. An 18" roller is recommended for faster application and fewer roller marks.
- Corners & Edges: Use a brush or small roller for corners and difficult areas.
- Maintain a Wet Edge: Prevent roller marks and streaking by keeping a wet edge.
- Avoid Puddles: Brush out excess material in joints.
- Metallic Applications: Refer to the Metallic FX data sheet for details.
- Mixed Material Timing: Minimize the time mixed material is held in large volumes, especially in higher temperatures. If the material thickens and sticks to application tools, discard it immediately as its pot life has expired.







RECATING

- Recoat Timing: Recoat within the recommended window (see page 1). Apply additional coats using the same method as the first coat.
- High Temperatures & Humidity: Higher substrate, air, and material temperatures or excessive humidity can shorten the recoat window. In such cases, recoat as early as possible to prevent layer failure.
- Recoating Outside Window: If recoating after the recommended window or beyond 24 hours, sand the surface with a 60-120 grit sanding screen to ensure proper adhesion.
- Surface Preparation:
- Vacuum thoroughly to remove dust.
- Rinse with clean water and remove excess moisture using a wet/dry vacuum or floor scrubber.
- Allow the surface to dry completely.
- Optional Cleaning: If needed, clean the surface with acetone and a microfiber mop with adequate ventilation.
- ① CAUTION: Acetone is highly flammable! Ensure no pilot lights, open flames, static electricity, sparks, or extreme heat sources are present. Use recommended personal protection equipment (PPE) when handling acetone.

Slip-Resistance Standards and Recommendations

- Regulatory Compliance: OSHA and the ADA have set enforceable slip-resistance standards for pedestrian surfaces.
- Friction Coefficient:
- ADA requires a coefficient of friction of 0.6 on level surfaces and 0.8 on ramps.
- Recommended Practices:
- Use slip-resistant aggregate in all coatings and flooring systems exposed to wet, oily, or greasy conditions.
- Responsibility: It is the responsibility of the contractor and end users to ensure the flooring system meets current safety standards.
- Interior Floors: For interior floors with foot traffic only, Cherry Surf-Wax may be used as an acceptable slipresistant coating, meeting ASTM D2047 requirements.

El Paso Tx

(915)-241-7909

Chihuahua

(656)-551-0365

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PLEASE NOTE

- Application Conditions: Applying outside the recommended parameters may lead to product failure.
- Test Before Application: Always test the product on a small, inconspicuous area of the same concrete substrate to verify desired results.
- Coverage Variations: Coverage rates may vary depending on surface porosity, density, and texture.
- Correct Application:
- Applying too thin may result in poor film formation and reduced performance.
- Applying too thick may lead to bubbling, hazing, or other surface defects.
- X Important: Do not use on brick.

TECHNICAL DATA SHEET



- 🔍 Storage: Do not freeze. Store above 40°F.
- Ventilation: Block HVAC ducts to prevent solvent fumes from spreading. Use proper ventilation during and after application to remove fumes.
- Surface Restrictions: Do not apply over carpet, tile, or floor adhesives.
- 🤊 Application: Best applied in one or two medium-light coats, not a heavy coat.
- Concrete Curing: Concrete must cure for at least 28 days before application.
- ! Do Not Thin: Improper thinning may cause delamination and performance issues.
- 🗟 Surface Darkening: May darken new and existing concrete slabs. Test before use.
- Specifications: Listed physical properties are typical values, not guaranteed specifications.
- Corrosive Part B: Handle Part B with appropriate safety equipment.
- OV Sensitivity: Not UV stable. Do not use outdoors or in areas exposed to excessive sunlight.
- 🙆 Clean-Up: Use MEK for cleaning. Dispose of containers per local, state, and federal regulations.
- ! Product Removal: Dried or cured coatings can be removed using a commercial epoxy stripper, diamond grinding, sandblasting, or similar mechanical methods.
- I Shelf Life: Up to one year from the manufacture date in its original, unopened container stored at room temperature.
- • Packaging: Available in kits of 0.75 gallons, 1.5 gallons, 3 gallons, and 15 gallons.
- E Technical Information: Always read all technical information, labels, and SDS before use. Information is available online or by calling customer service at the number below.

CPR Materials, Inc. guarantees that our products are of good quality, free from defects, and conform to our published specifications in effect at the time of order acceptance. The sole remedy for breach of this warranty is the replacement of defective materials.

Ninety (90) days after CPR Materials, Inc. has shipped the products, it will be conclusively presumed that all warranty obligations regarding the quality of the delivered materials have been satisfied, and all liability will be terminated. No action for breach of these obligations may be initiated after this period.

No express or implied warranty is provided concerning the product's lifespan, merchantability, or fitness for a particular purpose. Liability, if any, is limited to the purchase price of the material. Under no circumstances shall CPR Materials, Inc. be liable for consequential damages exceeding the purchase price of the products.

Datos Técnicos Ampliados

Hardness, Shore D (ASTM D- 60-65 2240):

Compressive Strength @ Yield, psi 11,200 (ASTM D-695):

Flexibility (1/8" Mandrel) (ASTM D- APROBADO 790):

Elongation % (ASTM D-638): 10-12%

Tensile Strength, psi (ASTM D- 6,200 638):

CONCRETE COATINGS COLORING SYSTEM



*AVAILABLE FOR WB EPOXY & URETHANE





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