



COLOR-ROK FLOORING

**100% Solids Epoxy
Decorative, Slip-Resistant Flooring**

1. Product Description

a. Basic Use: Color-Rok Flooring is an epoxy coating and colored silica quartz system used to decorate and protect most substrates including concrete, stone, wood, and metal. The Color-Rok Flooring system produces a seamless, slip-resistant surface while offering protection from abrasion and chemical attack. Use on any floor, walkway, or ramp where safety precautions against slippery conditions are important and sanitary cleaning is mandatory.

b. Features/Benefits:

- Quartz aggregate is available in 16 standard colors, providing for slip-resistant wall to wall safety.
- 100% solids epoxy allows for total compliance with VOC regulations.
- Easy-to-use three step installation method permits rapid return to service and exposure to traffic within two days.
- Dense surface coupled with an available anti-microbial additive will resist mildew and bacteria growth and allow for easy cleaning and maintenance.
- Contains no volatile solvents, permitting interior applications with virtually no fire hazard or toxic odor.
- Can be used with MMA for exterior applications.
- Easy clean-up with soap and water.

c. Typical Applications: Pool decks, restrooms and locker rooms, office lobbies, laundry rooms, meat processing facilities, corridors of schools or hospitals, cafeterias, kitchens, penitentiaries, pharmaceutical manufacturing, sewage plants, or mechanical rooms.

d. Limitations: Color-Rok Flooring should not be applied outside with an epoxy system, exposed to steel wheel traffic, or temperatures above 150°F (65°C). Do not apply at substrate temperatures below 50°F (10°C).

f. Color/Appearance: Color-Rok Flooring is available in 16 standard solid colors. Factory pre-mixed color combinations are also available in standard patterns or custom blends can be prepared in any proportion. A Color-Rok Flooring color chart can be found on our website.

2. Packaging

Color-Rok Flooring is supplied in units, each containing the proper proportions of clear liquid components for the Base Coat and Top Coat, plus colored quartz granules.

Unit Size*	Base Coat & Top Coat Binder	Base Coat & Top Coat Activator	Quartz Granules	Shipping Wt.
3 gal. (11.4 liter)	1 gal. (3.8 liter)	1/2 gal. (1.9 liter)	75 lbs. (34.0 Kg)	110 lbs. (49.9 Kg)
30 gal. (113.6 liter)	10 gal. (37.9 liter)	5 gal. (18.9 liter)	750 lbs. (340.2 Kg)	1,075 lbs. (487.6 Kg)

*Equal amounts of both components for Base Coat and Top Coat make up the total unit size.

3. Estimating/Coverage

The recommended maximum coverage rate over a smooth surface is shown below:

Unit Size	Coverage
3 gal. (11.3 liter)	150 sq. ft. (13.9 sq. m)
30 gal. (113.6 liter)	1,500 sq. ft. (139.4 sq. m)

4. Technical Data

Chemical Resistance:

• Most Acids	Unaffected
• Acetone	Not Recommended
• Calcium Chloride	Unaffected
• Detergent Solutions	Unaffected
• Animal Fats	Unaffected
• Blood	Unaffected
• Gasoline	Unaffected
• Petroleum Oil	Unaffected
• Vegetable Oil	Unaffected
• Formaldehyde 37%	Not Recommended
• Methyl Ethyl Ketone	Not Recommended
• Urine	Unaffected

Adhesion: 420 psi (concrete failure, no delamination)

Flexural Strength: 11,700 psi (ASTM D790)

Compressive Strength: 13,600 psi (ASTM D695)

Tensile Strength: 7,900 psi (ASTM D638)

5. Directions for Use

a. Preparation: The surface to be treated must be physically sound, thoroughly clean, free of oil, wax, loose paint, rust, scale, and completely dry. New concrete must be thoroughly cured for at least 28 days before starting surface preparation. Base concrete must be shotblasted or acid-etched with Bitesin. All acid-etched concrete must be rinsed and neutralized with potable water and allowed to completely dry.

b. Priming: All concrete to receive Color-Rok Flooring must be primed with Diamite Primer and allowed to dry tack free.

c. Base Coat Mixing: Thorough blending of all components is essential. Use a power drill with a Metco Jiffy mixing paddle. First, mix the binder separately; then mix the activator separately. Next, add the mixed activator to the mixed binder and thoroughly blend for at least two minutes at revolution speeds that will not entrap air bubbles into the freshly mixed Lexite. Let stand for two minutes and mix again for one additional minute.

d. Application of Base Coat: After the substrate has been primed, pour the mixed Base Coat in strips or ribbons onto the primed surface. The Base Coat is best applied with the Diamite/Lexite Spreader Tool. Note: 1.5 gal. (5.7 liter) should be spread over 150 sq. ft. (13.9 sq. m). The spreading operation should then be followed by rolling with a short-nap or foam-rubber type paint roller. The rolling operation should proceed in one direction with slow, even strokes. Avoid short, quick, back-and-forth strokes such as are commonly employed in paint rolling techniques.

e. Broadcasting the Granules: Sprinkle the Color-Rok granules into the freshly applied Base Coat. Toss the granules upward so that they descend like gentle rain. Continue broadcasting operation until an excess remains standing on the surface. Do not broadcast quartz granules any closer than about 1 to 2 ft. (0.3 to 0.6 m) from the edge of the Base Coat that has just been applied. This insures smooth lapping of each successive batch into the previous one.

f. Top Coat Preparation: Remove all loose Color-Rok granules that did not adhere firmly to the Base Coat by thoroughly sweeping with a stiff broom. Vacuuming of the surface is recommended but not essential.

g. Top Coat Mixing: Follow mixing instructions for Base Coat found in item "C" above.

h. Application of Top Coat: After all loose Color-Rok granules have been removed, pour the mixed Top Coat in strips or ribbons onto granular surface. Note: 1.0 gal. (3.8 liter) should be spread over 100 sq. ft. (9.3 sq. m). A flexible squeegee should be used for spreading the Top Coat downward into the voids between the granules. Spread the Top Coat until uniform. After the squeegee operation, roll the Top Coat with a short-nap, or preferably a foam rubber type, paint roller to insure complete uniformity.

i. Working Time/Pot Life: Both Lexite 100 Base Coat and Lexite 100 Top Coat should be applied immediately after mixing.

j. Cure Time: Color-Rok Flooring becomes tack-free in approximately 8 hours and may be exposed to light traffic in 12 hours. Final cure time requires 3 to 5 days. All cure times are based on ambient and substrate temperature at 70°F (21°C).

k. Clean-up: DL Solvent or Waterzall Concentrate and warm water may be used for cleaning tools and equipment.

l. Maintenance: Color-Rok Flooring surfaces should be cleaned with a Waterzall Concentrate and water solution. Waterzall Concentrate may also be used at full concentrate strength to remove built-up deposits and stains. Lexite 100 Top Coat may be reapplied to itself.

6. Availability

Color-Rok Flooring is normally available from your local distributor or will be shipped within 5 working days upon receipt of order. Custom colors may take up to 8 working days before shipping. Metalcrete Industries recommends that material samples be requested before final order is placed. Please contact your local Metalcrete representative or call Metalcrete directly for more information.

7. Warranty

Color-Rok Flooring is manufactured in strict accordance with the quality control standards of Metalcrete Industries. It is guaranteed to perform as indicated on this data sheet when applied by competent applicators.

8. Technical Service

Metalcrete Technical service representatives are available to provide on-site assistance with a minimum three day notice.



Metalcrete Industries

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