



Color Quartz System

High Traffic/Heavy Duty Flooring

Data Sheet

DESCRIPTION: Concrete Solutions® Color Quartz System is a decorative and durable epoxy flooring application designed for commercial, industrial, and residential floors. It is available in a variety of color combinations to match any decor, adding beauty and elegance as well as providing a low maintenance, slip resistant surface with excellent resistance to staining, impact and abrasion. The high performance products used in Concrete Solutions Color Quartz System offer the latest advances in technology to provide a fast drying, durable system that will last indefinitely if properly maintained.

TYPICAL USES:

- Commercial Kitchens
- Food Preparation and Packing Facilities
- Grocery and Department Stores
- Military Base Flooring
- Locker Rooms and Showers
- Factories and Warehouse Floors
- Hospitals and Laboratories
- Office and Government Buildings
- Theme Parks
- Other Slip Resistant, Heavy Duty Traffic Areas

FEATURES & BENEFITS:

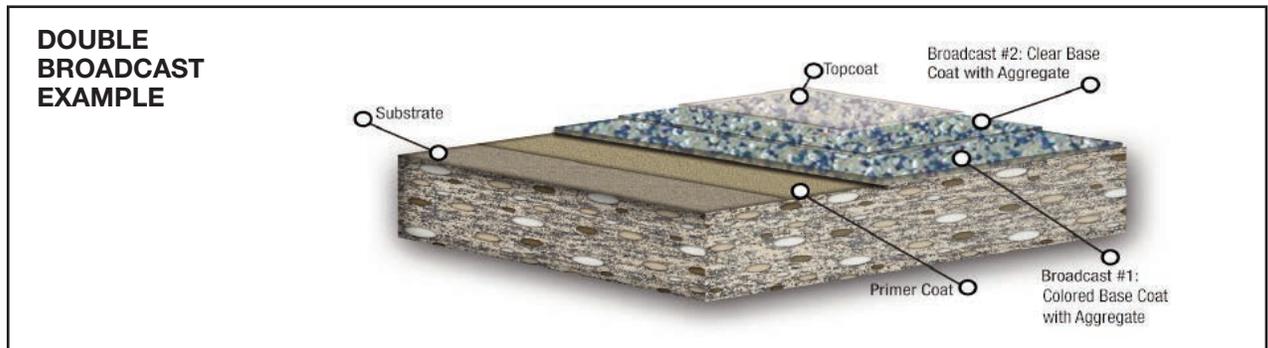
- Impact Resistant
- Slip Resistant
- Low Odor
- Impermeable and Durable
- Easy to Clean
- Low Maintenance
- Seamless Flooring
- Superior Mechanical Resistance
- Chemical Resistant
(Higher with Urethane Top Coat)

FLOORING COMPONENTS:

COATING	PRODUCT NAME	TYPICAL THICKNESS (mils)
Primer	Epoxy 200 Primer	8
Colored Base Coat	Epoxy 500 Color + Quartz Broadcast	16
Clear Base Coat*	Epoxy 600 Clear + Quartz Broadcast	16
Top Coat	Epoxy 600 Clear	16
Optional Top Coat**	SB Urethane-Clear	3 – 4

*Second base coat (Double Broadcast) recommended for high traffic or industrial applications.

**Urethane top coat increases chemical resistance. Also helps to maintain high gloss finish.



APPLICATION INSTRUCTIONS:

1. New concrete should cure a minimum of 28 days. All surfaces to be covered should be ground, shot-blasted or scarified to provide a clean, profiled substrate in which to bond to.
2. Mix Epoxy 200 Primer in ratio of two parts A resin to one part B hardener. Mix thoroughly using a drill motor and mixing paddle on slow speed for 3 – 5 minutes.
3. Pour and spread thin using the metal edge squeegee and then back-roll using a 1/4" nap paint roller to remove any squeegee marks.

CONCRETE SOLUTIONS® COLOR QUARTZ SYSTEM (continued):

4. Allow Epoxy 200 Primer to wick into concrete and let dry 10 – 15 hours. When dry, continue to Epoxy 500 base coat and quartz broadcast.
5. Mix Epoxy 500 Color in ratio of two parts A resin to one part B hardener. Mix thoroughly using a drill motor and mixing paddle on slow speed for 3 – 5 minutes.
6. Pour and spread using a rubber squeegee or rubber notched squeegee at a coverage of 80 – 100 sq.ft. per gallon (7.4 – 9.3 m² per 3.8 L) and then back-roll using a 3/8" nap paint roller to remove any squeegee marks. Immediately after back rolling, broadcast the color quartz aggregate into the wet Epoxy 500 Color at a coverage rate of 50 lb. quartz per 100 sq.ft. (23 kg. aggregate per 9.3 m²) Allow to dry 8 – 12 hours.
7. Remove/collect loose color quartz aggregate by blower, broom, and/or vacuum. These can be re-used later. Then lightly scrape surface with a metal edge squeegee or scraper to knock off and remove any uneven aggregate.
For high traffic or industrial applications, a double broadcast is recommended using a second, clear base coat, detailed in steps 8 – 9.
8. Mix Epoxy 600 Clear in ratio of two parts A resin to one part B hardener. Mix thoroughly using a drill motor and mixing paddle on slow speed for 3 – 5 minutes. Pour and spread using a rubber squeegee at a coverage of 80 – 100 sq.ft. per gallon (7.4 – 9.3 m² per 3.8 L) and then back-roll using a 3/8" nap paint roller to remove any squeegee marks. Immediately after back rolling, broadcast the color quartz aggregate into the wet Epoxy 600 Clear at a coverage rate of 50 lb. quartz aggregate per 100 sq.ft. (23 kg. quartz aggregate per 9.3 m²). Allow to dry 8 – 12 hours.
9. Repeat step 7 to remove color quartz aggregate and prepare for top coat.
10. Mix Epoxy 600 Clear in ratio of two parts A resin to one part B hardener. Mix thoroughly using a drill motor and mixing paddle on slow speed for 3 – 5 minutes. Top coat can be applied at various thicknesses depending on application requirements.
11. Pour and spread using a rubber squeegee at a coverage of 80 – 100 sq.ft. per gallon (7.4 – 9.3 m² per 3.8 L) and then back-roll using a 3/8" nap paint roller to remove any squeegee marks.
12. Where greater chemical and abrasion resistance is desired, mix SB Urethane Clear in ratio of two parts A resin to one part B hardener. Mix thoroughly using a drill motor and mixing paddle on slow speed for 3 minutes. Pour and spread thin using a rubber squeegee at a coverage of 200 – 250 sq.ft. per gallon (18.6 – 23.2 m² per 3.8 L) and then back-roll using a 3/8" nap paint roller to remove any squeegee marks.

NOT RECOMMENDED FOR: Do not apply to concrete less than 28 days old.

COLOR OPTIONS: Quartz aggregate is available in six standard colors: Almond, Amaretto, Caribbean, Galaxy, Pepper Frost and Toffee. Also available in custom colors. Epoxy 500 (base coat) is available in light gray, medium gray, dark gray, tan, red oxide and off-white.

SAFETY PRECAUTIONS: Health Considerations: Consult the Rhino Linings® Safety Data Sheets (SDS)

Chemical systems require the use of proper safety equipment and procedures. Please follow the Rhino Linings® product SDS and Safety Manual for detailed information and handling guidelines.

For Your Protection: The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions made concerning the products and their uses, applications, storage and handling are only the opinion of Rhino Linings Corporation. Users should conduct their own tests to determine the suitability of these products for their own particular purposes and of the storage and handling methods herein suggested. The toxicity and risk characteristics of products made by Rhino Linings Corporation will necessarily differ from the toxicity and risk characteristics developed when such products are used with other materials during a manufacturing process. The resulting risk characteristics should be determined and made known to ultimate end-users and processors.

Because of numerous factors affecting results, **Rhino Linings Corporation makes no warranty of any kind, express or implied**, other than that the material conforms to its applicable current Standard Specifications. Rhino Linings Corporation hereby disclaims any and all other warranties, including but not limited to those of merchantability or fitness for a particular purpose. No statements made herein may be construed as a representation or warranty. The liability of Rhino Linings Corporation for any claims arising from or sounding in breach of warranty, negligence, strict liability, or otherwise shall be limited to the purchase price of the material.

©2014 Rhino Linings Corporation. All rights reserved.



Rhino Linings Corporation
9747 Businesspark Avenue, San Diego, CA 92131
858-450-0441 • Fax 858-450-6881
1-800-422-2603
www.rhino linings.com

Concrete Solutions by Rhino Linings
7455 Carroll Road, San Diego, CA 92121
1-800-232-8311 • Fax 858-566-4346
www.concretesolutions.com