Rhino Flooring™
NATURALLY TOUGH
By Rhino Linings®

RhinoCoat™ CR
Data Sheet

DESCRIPTION: RhinoCoat™ CR (Chemical Resistant) is a bisphenol-A resin reacted with a unique modified multiple ring cycloaliphatic amine adduct activator. The polymer structure is extremely tough with excellent chemical resistance and is reinforced with laminar flake pigments. This exceptionally attractive, ceramic-like, high build, epoxy is designed to provide penetration, wetting, and sealing of substrates and surfaces that will be exposed to severe chemical and physical environments. It is formulated to be extremely adhesive, hard, impact resistant, and abrasion resistant. RhinoCoat™ CR is sanctioned by the United States Food and Drug Administration as a resinous and polymeric coating that may be safely used as a food-contact surface following specific conditions (CFR 175.300).

TYPICAL USES: Excellent protection for new or old concrete and perperly prepared steel surfaces. RhinoCoat CR is designed for areas requring resistance to severe chemical attack and abrasion. Typically used for direct exposure and secondary containment areas in pharmaceutical, food and beverage, paper mills, dairies, breweries, warehouses, and chemical plants.

FEATURES & BENEFITS:

- Excellent chemical resistance
- Low viscosity & low odor
- Clear or Universal Pigment Packs
- Cures in the presence of moisture and humidity
- FDA sanctioned (CFR 175.300)
- Excellent adhesion

CHEMICAL PROPERTIES:	Result
Solids by Volume/Weight	100%
Volatile Organic Compounds	0 lbs/gal
Mix Ratio, parts per volume	2A : 1B
Pot Life, minutes	15 – 30
Recoat, max	12 – 24 hrs
Dry to Touch @ 70°F (21°C)	6 hrs
Recommend Dry Film Thickness	5.0 - 10.0
Full Cure	7 days
Coverage Rate per Gallon	250 – 400 sqft (6.1 – 9.8 sm/l)
Recommended Application Temperature	33° – 97°F (.5° – 36°C)
Odor	low
Flash Point, closed cup	340°F (170°C)
Color	Clear with Universal Color Packs
Shelf Life - unopened containers	12 months

SURFACE PREPARATION: The surface to be coated should be thoroughly clean; free of any contaminants such as oil, grease or incompatible coating materials. Abrasive blasting or power scrubbing with detergent, acid washing, neutralizing and pressure washing are common surface preparation methods.

MIXING INSTRUCTIONS: The mixing ratio for RhinoCoat™ CR is 2 parts A (resin) to 1 part B (hardener). Mix thoroughly for 3 minutes using a drill motor and mixing paddle or for small quantities (1 ½ gal./ 5.7 liters) a stir stick can be used. Scrape the sides and bottom of the container while mixing. After mixing, allow a 3 minute induction period then mix again for approximately 15 seconds. Immediately pour the entire bucket in a thin row on the floor and begin spreading. If it sits in the bucket too long, it may set up prematurely. Mix only the amount of material that can be used in a 15 – 20 minute time period.

APPLICATION METHODS: Air or airless spray (heaters and plural component equipment not required), roller, squeegee, brush (small areas), “chopped” and “hand lay-up” method.

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

SUBSTRATES: Concrete and steel

COLOR OPTIONS: Clear and 5 Standard Colors: dark gray, medium gray, light gray, adobe tan, mojave sand

RHINOCOAT™ CR (continued):

HOW SUPPLIED: RhinoCoat™ CR is packaged in 3 gallon and 15 gallon kits.

SLIP/FALL PRECAUTIONS: Rhino Linings recommends using slip resistant granules in all outdoor applications where the epoxies and urethanes will be used as a topcoat sealer and on indoor applications that may be exposed to water, oil or other spills that may cause a slippery environment. Aluminum oxide granules #80 grit or courser may be broadcast into the prime coat to achieve the amount of slip resistance desired. It is the end user's responsibility to determine the suitability of a coating for their particular application. Rhino Linings or its sales agents will not be responsible for injury incurred in a slip/fall accident.

SAFETY PRECAUTIONS: Health Considerations: Consult the Rhino Flooring® 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.

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