



Rhino Linings[®]
PREMIUM PROTECTION



RhinoCoat[™] CC

Revised Date: 18/03/2025
 This TDS Replaces All Previous Versions

DESCRIPTION

RhinoCoat[™] CC (Crystal Clear) is two-component, high solids, low VOC, low odour, water clear, high gloss epoxy. Formulated to offer outstanding aesthetic properties. Typically applied as a binder coat and topcoat for decorative, flake, quartz and three-dimensional metallic systems.

FEATURES AND BENEFITS

- Durable
- Nice gloss appearance
- Superior chemical resistance
- Impermeable
- Low maintenance
- Excellent adhesion

TYPICAL USES

Binder and topcoat for systems installed in Schools, Hospitals, Laboratories, Offices, Department Stores and Garages for example. RhinoCoat CC is easy to install, providing an easy to achieve, highly aesthetic finish.

CHEMICAL PROPERTIES:	RESULT
Viscosity, CPS	525 - 675
Solids by Volume/Weight	100%
Volatile Organic Compounds	0 kg/litre
Mix Ratio, parts per volume	2A:1B
Pot Life, minutes	15 - 30 minutes
Recoat, max	12 - 24 hrs
Dry to Touch @ 21°C	6 hrs
Walk on Time (light foot traffic)	24 hrs
Return to Service Time (Vehicle Traffic)	3 days
Full Cure	7 days
Coverage Rate per Litre	2.0 – 9.8m ² per litre
Recommended Application Temperature	5°C – 30°C
Odor	Low
Flash Point, closed cup	170°C
Colour	Clear with Universal Colour Packs
Shelf Life - unopened containers	12 months

Technical Data Sheet

PHYSICAL PROPERTIES:	TEST	RESULT
Hardness (Shore D)	ASTM D-2240	525 - 675
Tensile Strength (psi)	ASTM D-638	7,500
Elongation (%)	ASTM D-638	2 - 5%
HDT	ASTM D-648-264	49°C
Compressive Strength (psi)	ASTM D-695	10,300
Water Absorption, gain in 24 hrs (%)	ASTM D-695	<0.1
Flexural Strength (psi)	ASTM C-790	7,000
Bond Strength	Greater than cohesive strength of 3,000 psi concrete, <220 psi	
Temperature Resistance	Continuous Exposure	Up to 66°C

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, neutralising and pressure washing are common surface preparation methods.

MIXING INSTRUCTIONS

The mixing ratio for RhinoCoat™CC 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 (<5.7 litres) 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 15 – 20-minutes.

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

COLOUR OPTIONS

Clear with Universal Colour packs available (see Rhino Flooring Colour Chart and also available in 11 standard metallic colours)

HOW SUPPLIED

RhinoCoat™CC is packaged in 12 litre 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. Aluminium 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 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 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 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.

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