



Rhino[®] 1500

Clear, Water-Based Epoxy Primer

Data Sheet

Part #: 1500K—5 gallon; 1500K-1.25 gallon

DESCRIPTION:

Rhino 1500 is a clear, two part, waterborne epoxy primer that is easy to mix, easy to use, and provides superior results. It is applied over concrete and many other substrates by brush, roller or spray equipment. Rhino 1500 dries quickly (60 – 90 minutes) and is typically applied as a standalone sealer. Rhino 1500 contains a unique “lacquer dry” (dust free) cure allowing it to be recoated quickly. It has a long working time (2 – 3 hours) which allows larger batches to be mixed. The material cleans up easily with soap and water from hands and tools.

TYPICAL USES:

- Can be applied directly to properly prepared metal or concrete substrates
- Primer for metals and fiberglass
- May be used as a light duty concrete sealer providing superior dust control and good appearance
- Superior wood sealant - providing a perfect bond and preventing bubbles and other “out-gassing”
- Used in one or two coat sealer applications

FEATURES & BENEFITS:

- Complies with NSF/ANSI 61 Section 5 potable water standard
- Excellent primer to be used in combination with Pipeliner 5000 11-70 PW
- A cost-effective, stand alone concrete sealer and dust proofer
- Applied in 1 or 2 coats as needed
- Easy to mix, easy to use, low odor
- 4:1 mixture - 4 parts A (resin) to 1 part B (hardener) by volume
- Extended recoat window with itself (>48 hours)



CHEMICAL PROPERTIES:

	Result
Mixed Viscosity, CPS at 77°F (25°C)	200 – 400
Solids by Volume	65%
Volatile Organic Compounds	0.626 lbs/gal (75 g/l)
Mix Ratio, Parts per Volume	4:1
Working Time	2 – 3 hours
Lacquer Dry (dust free) Time	60 – 90 minutes
Walk-on Time (light traffic)	4 – 6 hours
Cure Time (return to service)	Overnight
Coverage Rate per Gallon	150 – 250 sqft/gal
Base Color	clear

TYPICAL PHYSICAL PROPERTIES:

	Test	Result
Pencil Hardness (overnight)	ASTM D-3363	F
Pencil Hardness (7 days)	ASTM D-3363	H
Cross Hatch Adhesion	ASTM D-3359	5
1/4" Mandrel Bend	ASTM D-522	Pass
Direct Impact Resistance (lbs)	ASTM D-2794	60
Reverse Impact Resistance (lbs)	ASTM D-2794	20

SURFACE PREPARATION:

Surfaces must be structurally sound and free from contaminants such as dust, oil or dirt. Sand or sweep blasting, or other means of mechanically abrading, followed by a thorough cleaning is necessary. All freestanding water must be removed. General surface preparation and application procedures specified in ACI 503.1-4 should be followed.

(continued)

Rhino® 1500 (continued)

TIPS FOR USE:

The applied material must have a clear appearance, with no "white" areas visible prior to recoating. Temperature and humidity conditions affect the cure and tack free times of this material. Warm, dry conditions speed the cure, and cool, damp conditions will lengthen the cure time.

MIXING INSTRUCTIONS:

Thorough and complete mixing is critical. A Jiffy mixer is recommended. Prior to mixing, gently stir each component separately to insure that the material is homogenous and uniform in consistency. Carefully proportion each component at the ratio of 4 parts A (resin) to 1 part B (hardener) by volume or, if using 5-gallon kits, pour all of Part B (hardener) into Part A (resin) and mix at 200 – 300 RPM for 3 – 5 minutes. No stripes or color variation should be visible in the mix.

IMPORTANT: After mixing, wait 10 – 15 minutes before application to allow for the required "induction" of material prior to application. Mix no more material than may be applied in 3 hours.

APPLICATION INSTRUCTIONS (FLOOR COATING):

Rhino™ 1500 is an excellent bonding, light duty, attractive clear protective floor sealant, providing superior dust control. It is easily applied by brush or roller. Rhino™ 1500 may be used as a one or two coat, standalone sealer. The first coat typically covers 150 – 200 sq ft/gallon (approx. 4 – 5 mils dft). A second coat at 200 – 250 sq ft/gallon (approx. 3 – 4 mils dft) may be used, allowing 2 – 3 hours between coats and an overnight cure of the final sealer coat before returning the area to service.

NOT RECOMMENDED FOR:

- Do not apply to concrete less than 28 days old
- Do not apply to concrete with curing or sealing membranes
- Do not apply to base concrete at a temperature less than 55°F

HOW SUPPLIED:

Rhino™ 1500 is available in 1.25 and 5 gallon kits.

SAFETY PRECAUTIONS:

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

This chemical system requires 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.

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