



# Rhino™

## Rhino™ Injection Epoxy Data Sheet



ISO 9001:2000  
FM62236

### DESCRIPTION:

Premium quality, 100% solids epoxy resin binder specifically designed for crack injection and encapsulation of steel and concrete. Contains no solvents (zero VOC) or carcinogens and has minimal odor to assure low toxicity and ease of application. Excellent wetting ability and provides an exceptional bond to concrete surfaces. When used as an aggregate filled binder, develops high compressive and flexural strength for optimum performance.

### SUGGESTED USES:

- Anti-corrosive encapsulant for steel and many other substrates
- Crack repairs and injection
- Moisture tolerant concrete primer
- Binder for aggregate filled mortars
- May be used to bond wood, steel, and other dissimilar products to concrete substrate

### TECHNICAL DATA:

Solids by Volume	100%
Volatile Organic Content (VOC)	0 lbs/gal
Mixing Ratio	2:1 by volume
Viscosity	Low
Pot Life	90 -- 100 mins at 77°F
Application Temperature	40°F minimum, 100°F max
Maximum Re-coat Time at 77	24 hours
Dry to Touch at 77°F	8 – 10 hours
Light Traffic at 77°F	14 – 16 hours
Full Cure at 77°F	7 Days

Complies with ACI Standard 503.1-4 and ASTM C-881-90 Type I, II, IV, V, VI and VII. Grade 1, Class B,C,D,E and F. Cures in presence of moisture and humidity. Resin non-crystallizing.

### PHYSICAL PROPERTIES OF CURED SYSTEM (CURED 7 DAYS AT 77°F):

Compressive Strength (psi)	10,000 – 11,000	ASTM D695
Flexural Strength (psi)	13,000 – 13,800	ASTM D790
Tensile Strength (psi)	7,000 – 8,000	ASTM D638
Tensile Elongation (%)	5.0	ASTM D638
HDT (F)	140	ASTM D648-264
Bond Strength (psi) to concrete	>300, w/ 100% concrete failure	
Water Absorption (% gain) 24 hrs	< 1	
Shore D Hardness	82	

### HOW SUPPLIED:

FOB San Diego, CA. Rhino Injection Epoxy: 3-Gallon, 15-Gallon and 165-Gallon Kits.

### SAFETY PRECAUTIONS:

**Health Considerations: Consult the Rhino Linings® Material Safety Data Sheets.**

This chemical system requires the use of proper safety equipment and procedures. Please follow the Rhino Linings® product MSDS and Safety Manual for detailed information and handling guidelines.

Rhino™ Injection Epoxy

## SAFETY PRECAUTIONS OF RHINO™ INJECTION EPOXY (continued):

### For Your Protection:

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.

©2009 Rhino Linings Corporation. All rights reserved.



### Rhino Linings Corporation

9151 Rehco Road, San Diego, CA 92121  
858-450-0441 • Fax 858-450-6881  
1-800-422-2603  
[www.rhino linings.com](http://www.rhino linings.com)

Rhino Linings Australasia Pty Ltd ..... +61 7 5585 7000  
(Asia and Australia)

Rhino Linings Canada, Inc ..... 1-866-447-1471

Rhino Linings Europe ..... +49 6103 936474  
(Africa, Europe and Middle East)

Rhino Linings Latin America ..... +52 55 5632 0195  
(Mexico, Caribbean, Central and South America)