



Rhino™ 1303 Medium Viscosity Epoxy Resin Data Sheet



ISO 9001:2000
FM62236

DESCRIPTION:

Rigid epoxy resin, based on Bis-A. Medium viscosity diluted resin with low toxicity and odor for increased build or for tropical environments. 100% solids, no VOCs, DOT non-regulated.

SUGGESTED USES:

Filament winding, RTM, hand lay up laminating, vacuum bagging, tooling and pattern work, clear castings, adhesives, surface coatings and chemically resistant flooring. Excellent general purpose use.

PROPERTIES OF RHINO 1303 EPOXY RESIN (neat):

Viscosity	4,000 – 5,000cps
Weight/Gal	9.6 – 9.7lbs
EEW	188 – 194
Color	1 (Gardner)

MIXING:

Use and store between 65° – 80°F (product and ambient temperatures), 45°F minimum. Use below 45°F requires special hardener selection, consult with Rhino sales personnel for recommendation. Remove surface contaminants such as water, dirt, rust, and petroleum products. Wax or “release” mold surface before epoxy application. All Rhino hardeners are compatible with Rhino 1303 so proportion resin in accordance with the selected Rhino hardener. Use of Rhino 1303 resin in RTM or filament winding processes require specialized hardener(s) and equipment. Mix resin and hardener for 3 – 5 minutes being certain to scrape mixing container bottom and sides. Mix no more material than can be applied before pot life expiration.

CURING:

Rhino 1303 cures overnight at typical ambient temperatures (50° – 90°F) with full properties developing in 7 days, see hardener data for specific cure schedules and properties.

HOW SUPPLIED:

45lb Pails and 500lb Drums. FOB San Diego, CA.

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.

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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Resin - Rhino™ 1303



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