



Rhino™ 1337

High-Temp Tooling Epoxy Resin

Data Sheet



ISO 9001:2000
FM62236

DESCRIPTION:

Modified Bis-F Novolac epoxy laminating resin designed for high temperature industrial tooling applications. Mildly thixotropic material will not drain when used with heavy tooling fabrics. Excellent physical properties after post curing. Highly resistant to crystallization in cold environments. Rhino 1337 is solvent-free, 100% solids, and DOT non-regulated.

SUGGESTED USES:

Hand lay up laminating, tooling and pattern work. (Designed to be used with Rhino 3137 hardener and cured at elevated temperatures.)

PROPERTIES OF RHINO 1337 RESIN (neat):

Viscosity	11,000 – 12,000 cps
EEW	180 – 185
Color	Translucent clear-amber
Weight/Gal	9.8 – 9.85lbs

MIXING:

Recommend Rhino 1337 be used between 65° – 85°F (product and ambient temperatures). Remove all surface contaminants such as water, dirt, rust, and petroleum products. Mold surfaces must be waxed or otherwise “released” prior to epoxy application. All Rhino curing agents are compatible with Rhino 1337, however the material is generally used with Rhino 3137 hardener. Proportion resin and hardener in accordance with the selected Rhino hardener. Mix resin and hardener for 3 – 5 minutes being certain to scrape the bottom and sides of the mixing container. Mix no material than may be applied before the expiration of the pot life.

CURING:

Rhino 1337 cures overnight at typical ambient temperatures (65° – 85°F) with full properties developing in 7 days, see hardener data for specific cure schedules and properties. Note that high temperature applications generally require a post cure schedule.

HOW SUPPLIED:

9lb Gallons, 45lb Pails and 500lb drums. FOB Rhino Linings Corporation, 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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