

DESCRIPTION: RhinoCoat NV (Novolac) is a high quality Bis-F epoxy novolac coating system which has superior chemical and abrasion resistance versus Bis-A type epoxy resins. This tightly crosslinked, self-leveling epoxy system cures in the presence of moisture and humidity with excellent mechanical properties. RhinoCoat NV mixes using the industry standard, 2:1 by volume ratio. Having low odor, NV contains no solvents and is 100% solids that assures ease of application. For vertical applications, use RhinoCoat NV vertical.

FEATURES & BENEFITS:

- Superior chemical and abrasion resistance
- Excellent bonding
- Dries to a high gloss
- 100% solids, no solvents
- Medium viscosity
- Highly resistant to cratering or blush
- Low odor
- Excellent bonding

APPLICATIONS:

- Recommended for floor coatings & secondary containment areas where high concentrations of chemicals are used.
- Application where increased resistance to acids, bases and solvents is desired.
- Non-slip surfaces can be achieved with broadcast of quartz, aluminum oxide or other non-skid material.

CHEMICAL PROPERTIES:	Result
Viscosity, cps	500 - 800
Solids by Volume/Weight	100%
Volatile Organic Compounds	0 lbs/gal
Mix Ratio, parts per volume	2A :1B
Pot Life, minutes	25 - 30 minutes
Recoat, max	24 hrs
Dry to Touch @ 70°F (21°C)	6 - 8 hrs
Walk on Time (light foot traffic)	14 - 16 hrs
Return to Service Time (vehicle traffic)	24 - 36 rs
Full Cure	7 days
Coverage Rate per Gallon	100 – 400 sqft (2.0 – 9.8 sm/l)
Recommended Application Temperature	41° – 100°F (5° – 38°C)
Odor	Low
Flash Point, closed cup	340°F (170°C)
Color	Clear with Universal Color Packs
Shelf Life - unopened containers	12 months

RHINOCOAT™ NV (continued):

PHYSICAL PROPERTIES:	Test	Result
Hardness (Shore D)	ASTM D-2240	90
Tensile Strength (psi)	ASTM D-638	7,000 - 8,000
Elongation (%)	ASTM D-638	3.2
HDT	ASTM D-648-264	2A :1B
Compressive Strength (psi)	ASTM D-695	12,000 - 14,000
Water Absorption, gain in 24 hrs (%)	ASTM D-695	<1
Flexural Strength (psi)	ASTM C-580	13,000 - 13,800
Bond Strength	Greater than cohesive strength of 3,000 psi concrete, <400 psi	
Temperature Resistance	Continuous Exposure	Up to 150 F

SURFACE PREPARATION: Substrate surfaces must be structurally sound and free from contaminants such as dust, oil or dirt. Surfaces must be shot blasted or mechanically abraded to achieve a minimum 5-mil profile. Free-standing water must be removed. Do not apply over previously applied epoxies or coatings.

MIXING INSTRUCTIONS: A thorough and complete mixing is critical. First mix each component separately. Proportion each component at the ratio of 2 parts A (resin) to 1 part B (hardener) by volume or if using 1-gallon kits, pour all of Part B (hardener) into Part A (resin). Mix for 3 – 5 minutes, scraping the mixing container sides and bottom regularly. Mix no more material than may be applied in 20 minutes.

APPLICATION METHODS: Roller, squeegee, brush (small areas).

NOT RECOMMENDED FOR: Do not apply to concrete less than 28 days old.

SUBSTRATES: Concrete and steel

COLOR OPTIONS: Clear and 16 Universal Color Pack options (see Rhino Flooring Color Guide)

HOW SUPPLIED: RhinoCoat™ NV is packaged in 3 gallon and 15 gallon 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. Aluminum 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 particular 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 Flooring® 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 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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