

DESCRIPTION: RhinoSeal WB is a water-based, high solids, two component aliphatic polyurethane. Available in Gloss or satin, it provides a high performance clear coating over exterior or interior surfaces. It dries to a hard, durable film that has excellent resistance to impact, abrasion, and weathering. RhinoSeal WB offers substantial performance improvements over first generation catalyzed water-based polyurethanes, including higher film build capabilities, improved chemical resistance and resistance to hot tire staining.

TYPICAL USES: RhinoSeal WB is often used for any application where a solvent based urethane would be used, but where a low odor is desired. One of its uses is as the topcoat sealer over our low odor Color Flake and Quartz systems. It is the ideal low odor topcoat for areas that require maximum gloss retention, ease of cleaning, and resistance to heavy traffic. (It is also available in a satin finish).

FEATURES & BENEFITS:

- High build capabilities
- Excellent chemical resistance
- VOC compliant
- Easy application
- Can be applied by brush, roller or airless sprayer
- Non-yellowing, non-caulking, non-blushing
- Available in a satin or gloss finish

APPLICATIONS:

- Clean rooms
- Hospitals
- Concrete counter tops
- High traffic retail areas
- Garage floors
- Automotive repair facilities
- Aircraft hangars

CHEMICAL PROPERTIES:	Result
Solids by Volume/Weight	53% (clear)
Volatile Organic Compounds	.42 lb/gal (50 g/l)
Mix Ratio, parts per volume	2A (iso) :1B (resin)
Pot Life, minutes	50 minutes
Dry to Touch @ 70°F (21°C)	6 hrs
Recoat	12 hrs
Walk on Time (light foot traffic)	18 hrs
Return to Service Time (vehicle Traffic)	48 - 72 hrs
Full Cure	7 days
Coverage Rate per Gallon	200 – 400 sqft (4.9 – 9.8 sm/l)
Recommended Application Temperature	41° – 100°F (5° – 38°C)
Odor	Low
Color	Clear
Shelf Life - unopened containers	12 months

RHINOSEAL™ WB (continued):

PHYSICAL PROPERTIES:	Test	Result
Hardness (pendulum)	ASTM D-4336	175
Tabler Abrasion Resistance (mg loss/1000 Cycles)	ASTM D-4060	39
60° Gloss		90

MOISTURE VAPOR TESTING: All concrete floors not poured over a proper moisture barrier, are subject to possible moisture vapor transmission or hydrostatic pressure problems which can cause a coating system to blister or fail. Before applying a coating system over a concrete floor which is on-grade or below grade, the customer should be informed of this potential problem and given the option to have a qualified moisture testing company perform calcium chloride test to give the proper recommendations.

SURFACE PREPARATION: The surface must be clean and sound, free from oil, dirt, waxes and any other contaminants that may interfere with bonding. One method includes scrubbing with detergent, acid washing, neutralizing and pressure washing to clean and rinse. Previously coated surfaces must be mechanically cleaned and abraded using a floor polisher machine with #80-100 grit sandpaper to insure intercoat adhesion.

MIXING INSTRUCTIONS: Mix only the amount of material that can be used within a one hour period at 77° F (25° C). Higher temperatures reduce work time. In hot weather, it is advisable to mix smaller batches. Premix A before adding B. Mixing ratio is 2 parts A to 1 part B. Add part B slowly while mechanically mixing part A with a slow speed drill. Mix for 3 full minutes until completely homogenized. Material cannot be properly mixed by hand. Use a small one-gallon mixing paddle for mixing small amounts. WB Urethane is normally applied as is but may be thinned up to 10% with water to achieve a lower viscosity, if desired. Only add water after A and B have been mixed together. Pour through a paint strainer after mixed and prior to use.

APPLICATION INSTRUCTIONS: Apply at 200 – 400 sq. ft. per gallon by brush, roller or airless sprayer. Do not allow to puddle or accumulate in joint areas. Applications heavier than 200 sq. ft. per gallon will create bubbles in the cured coating. If multiple coats are required, and the material has cured for more than 24 hours, de-gloss with a black janitorial pad or fine 100 grit sanding screen.

CHEMICAL RESISTANCE (ASTM D -1308) 24 HR IMMERSION				
Motor Oil	no effect		Mineral Spirits	no effect
Gasoline	no effect		Hydraulic Fluid	no effect
Brake Fluid	no effect		Skydrol B-4	no effect
Transmission Fluid	no effect		Whiskey	no effect
Urine	no effect		10% Hydrochloric Acid	no effect
Blood	no effect		10% Sulphuric Acid	no effect
Black Ink	no effect		50% Sodium Hydroxide	no effect
Xylene	no effect		10% Acetic Acid	no effect
MEK	no effect			no effect

COLOR OPTIONS: Clear

HOW SUPPLIED: WB Urethane is packaged in 1.5 gallon and 3 gallon kits in either gloss or satin finish.



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RHINOSEAL™ WB (continued):

SLIP/FALL PRECAUTIONS: Concrete Solutions recommends using slip resistant granules in all outdoor applications where the WB Urethane 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. Concrete Solutions or its sales people 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**