

# RTE-WB Pigmented Pigmented, Water-Based Epoxy Primer

## DESCRIPTION

RTE WB Pigmented is a waterborne, general purpose epoxy primer/coating using 1:1 (equal) volumetric mixing of resin and hardener that is easy to mix, easy to use and provides superior hide and coverage. It is applied over concrete and other substrates by brush, roller or spray equipment. RTE WB Pigmented dries quickly, and is typically "lacquer dry" (dust free) within 60 - 90 minutes. The unique lacquer dry cure allows RTE WB Pigmented to be recoated quickly. The material has a long work time (2 - 3 hours) which allows larger batches to be mixed. RTE WB Pigmented cleans up easily with soap and water from hands and tools.

## BENEFITS:

General purpose primer/coating

- Cost-effective stand alone coating that can be applied in 1 or 2 coats as needed
- May be used as a primer/base coat with Rhino Flooring epoxy and polyaspartic flooring systems
- Easy to mix, easy to use, low odor
- Extended recoat window (>48 hours)
- Great "hide" covers in one coat at >150 sq ft/gallon

## TYPICAL USES

Ideal concrete primer/base coat with Resintek Systems epoxy and polyaspartic flooring systems

- Applied as a light duty concrete primer/coating for dust control and good appearance
- As a bonding, light duty, protective floor coating that provides excellent "hide" and coverage
- Applied in 1 or 2 coats as needed
- Easy to mix, easy to use, low odor
- 1:1 mixture - 1 parts A (resin) to 1 part B (hardener) by volume
- Used to prevent bubbles and other "out-gassing" issues

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### **SURFACE PREPARATION:**

Surfaces must be structurally sound and free from contaminants such as dust, oil or dirt. Sand or sweep blasting, or other means of mechanically abrading, followed by a thorough cleaning is necessary. All freestanding water must be removed. General surface preparation and application procedures specified in ACI 503.1-4 should be followed.

TYPICAL PHYSICAL PROPERTIES:	TEST METHOD	RESULT
Pencil Hardness (overnight)	ASTM D-3363	HB
Pencil Hardness (7 days)	ASTM D-3363	H
Cross Hatch Adhesion	ASTM D-3359	5
1/4" Mandrel Bend	ASTM D-522	Pass
Direct Impact Resistance (lbs)	ASTM D-2794	60
Reverse Impact Resistance (lbs)	ASTM D-2794	20

### **TIPS FOR USE:**

Temperature and humidity conditions affect the cure and tack free times of this material. Warm, dry conditions speed the cure and cool, damp conditions will lengthen the cure time. Each component should be stirred prior to mixing.

### **MIXING INSTRUCTIONS:**

Thorough and complete mixing is critical. A Jiffy mixer is recommended. First mix each component separately. Carefully proportion each component at the ratio of 1 parts A (resin) to 1 part B (hardener) by volume. Mix at 200 – 300 RPM for 3 – 5 minutes. No stripes or color variation should be visible in the mix. DO NOT use liquid material beyond three hours from mixing time. Although the product appears unchanged, poor gloss and film properties will result if material is applied after the three hour limit.

**IMPORTANT:** After mixing, wait 10 – 15 minutes before application to allow for the required “induction” of material prior to application. Mix no more material than may be applied in 3 hours.

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### APPLICATION INSTRUCTIONS (FLOOR COATING):

RTE- WB Pigmented is an excellent bonding, light duty, attractive clear protective floor sealant, providing superior dust control. It is easily applied by brush or roller. RTE- WB Pigmented may be used as a one or two coat, standalone sealer. The first coat typically covers 150 – 200 sq ft/gallon (approx. 4 – 5 mils dft). A second coat at 200 – 250 sq ft/gallon (approx. 3 – 4 mils dft) may be used, allowing 2 – 3 hours between coats and an overnight cure of the final sealer coat before returning the area to service.

### NOT RECOMMENDED FOR:

- Do not apply to concrete less than 28 days old
- Do not apply to concrete with curing or sealing membranes
- Do not apply to base concrete at a temperature less than 55°F

### PACKAGING

**RTE- WB Pigmented is available in 2 and 10 gallon kits.**

CHEMICAL PROPERTIES:	Result
Mixed Viscosity, CPS at 77°F (25°C)	400 – 600
Solids by Volume	65%
Volatile Organic Compounds	0.626 lbs/gal (75 g/l)
Mix Ratio, Parts per Volume	1:1
Working Time	2 – 3 hours
Lacquer Dry (dust free) Time	60 – 90 minutes
Walk-on Time (light traffic)	4 – 6 hours
Cure Time (return to service)	Overnight
Coverage Rate per Gallon	150 – 250 sqft/gal
Base Color	Lt gray, medium gray, dark gray, tan, red oxide, off-white

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## **SAFETY PRECAUTIONS:**

Health Considerations: Consult the Resintek Systems

Safety Data Sheets (SDS)

Chemical systems require the use of proper safety equipment and procedures. Please follow the RTE- WB Pigmented 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 Resintek Systems. 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 Resintek Systems 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, Resintek Systems makes no warranty of any kind, express or implied, other than that the material conforms to its applicable current Standard Specifications. Resintek Systems 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 Resintek Systems 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.