



TECHNICAL DATA SHEET

RR Series 2000 Epoxy

Stippled Epoxy Primer

- Product Number: 194-M9-100CN (5 Gallon)
- Product Number: 194-M9-100CN2G (2 Gallon)

PRODUCT DESCRIPTION

River Resins 2000 Series Stippled Epoxy Primer is a high-solids, thickened epoxy coating engineered for sealing overlays and for applications where a controlled stippled or orange-peel texture is desired. The material may be used as a seal coat, texture-building base coat, or wall coating component within River Resins epoxy systems.

BENEFITS

- Low-VOC formulation compliant with SCAQMD regulations (<100 g/L)
- LEED® v4 Indoor Air Quality credit eligible
- Meets CDPH-CA Section 01350 emissions requirements
- Reduced solvent content for lower odor and waste
- Suitable for application during normal business hours

TYPICAL PROPERTIES

(Results based on laboratory testing at 77°F (25°C). Actual results may vary.)

- Coverage Rate: 200–300 ft²/gal (4.92–7.87 m²/L)
- Application Thickness: 5–8 wet mils (0.13–0.20 mm) per coat
- Percent Solids (ASTM D2369):
 - By Weight: 95.12%
 - By Volume: 94.92%
- VOC (ASTM D3960): 0.44 lb/gal (53 g/L)
- Abrasion Resistance (ASTM D2047):
 - Taber CS-17, 1,000 g load, 1,000 cycles: 83 mg loss
- Tensile Strength (ASTM D2370): 8,000 psi (55.16 MPa)
- Percent Elongation (ASTM D2370): 5%
- Shore D Hardness (ASTM D2240):
 - 75–80 @ 0 sec
 - 65–70 @ 15 sec

CHEMICAL RESISTANCE

(ASTM D1308 Method 3.1.1 – Spot Test, coating cured 14 days prior to testing)

Legend:

- E = Excellent (No Adverse Effect – Recommended)
- G = Good (Limited Adverse Effect – Short-Term Exposure Only)
- F = Fair (Moderate Effect – Not Recommended)
- P = Poor (Unsatisfactory Resistance)

Acids – Inorganic

- 10% Hydrochloric Acid: E / E
- 30% Hydrochloric Acid (Muriatic): E / E
- 10% Nitric Acid: E / G
- 50% Phosphoric Acid: F / P
- 37% Sulfuric Acid (Battery Acid): G / G



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- 10% Acetic Acid: F / P
- 10% Citric Acid: E / G
- Oleic Acid: G / F

Alkalies

- 10% Sodium Hydroxide: E / E
- 50% Sodium Hydroxide: E / E

Solvents & Miscellaneous

- Ethylene Glycol (Antifreeze): E / E
- Isopropyl Alcohol: F / F
- Methanol: F / F
- d-Limonene: E / E
- Jet Fuel (JP-4): E / E
- Gasoline: E / E
- Mineral Spirits: E / E
- Xylene: F / P
- Methylene Chloride: P / P
- PMA: F / F
- Brake Fluid: F / F
- Bleach: G / G
- Motor Oil (SAE 30): E / E
- Skydrol® 500B / LD4: F / P
- Sodium Chloride (20%): E / E
- Trisodium Phosphate (10%): E / E

Note: Pigmented systems may exhibit reduced chemical resistance and increased staining.

PACKAGING & COVERAGE

15-Gallon Kit

- Part A (Resin): 10 gal
- Part B (Hardener): 5 gal

3-Gallon Kit:

- Part A (Resin): 2 gal
- Part B (Hardener): 1 gal

Coverage:

200–320 ft² per gallon at 5–8 mils

COLORS & COLORANTS

- Use River Resins approved colorants at one unit per 3-gallon kit
- White, Yellow, Light Gray, and Rotunda Red may require two units for adequate hide
- Some colors may not achieve full opacity—consult River Resins Color Selection Guide

UV Stability: This product is not UV stable and will yellow or amber over time.



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BEFORE YOU BEGIN

Environmental Conditions

- Material, air, and substrate temperature:
65°F–90°F (18°C–32°C)
- Relative humidity:
Must be below 80%
- Dew point requirement:
Do NOT apply unless the substrate temperature is at least 5°F (3°C) above the current dew point
- Failure to meet these conditions may result in poor adhesion, surface defects, or improper cure.

APPLICATION EQUIPMENT

Ensure all equipment is prepared before mixing, due to limited pot life.

Required Equipment:

- Protective clothing and PPE
- Slow-speed drill (500 RPM or less)
- Jiffy®-type mixing blade
- 18" roller frame
- 3/8" nap roller cover
- 18"–24" flat rubber squeegee
- Spiked epoxy shoes

Important:

Clean roller covers with tape prior to use to remove lint or loose fibers.

SURFACE PREPARATION

Recoat Over Existing Epoxy

River Resins 2000 Series Stippled Epoxy Primer may be applied over existing epoxy coatings that are sound, well-adhered, and free of contamination.

1. Scrub the surface with a detergent solution to remove grease, oil, dirt, and surface contaminants
2. Rinse thoroughly with clean water
3. Mechanically abrade the surface using 80-grit sandpaper or a 60-grit sanding screen
4. Sand until the entire surface shows uniform gloss loss
 - Depressions may remain shiny if sanding is inadequate
 - Visible individual scratch marks indicate insufficient abrasion
5. Clean again with detergent and rinse thoroughly
6. Allow surface to dry completely before application

Bare Concrete Application

IMPORTANT:

River Resins 2000 Series Stippled Epoxy Primer **MUST** be applied over a compatible River Resins high-solids epoxy primer.

- This product is too thick to properly wet-out or penetrate concrete pores
- Refer to the appropriate River Resins epoxy primer Technical Data Sheet for concrete priming instructions
- Do not apply directly to bare concrete



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MIXING INSTRUCTIONS

1. If color is required, premix River Resins-approved colorant into Part A (Resin) until uniform
2. Add Part B (Hardener) into Part A
3. Mix using a Jiffy®-type mixer at low speed (≤ 500 RPM) for 2–3 minutes
4. Mix only full kits unless otherwise approved by River Resins Technical Services

Pot Life

- Approximate pot life: 20 minutes at 75°F (24°C)
- Higher temperatures will reduce working time
- Do not mix more material than can be applied within the pot life

APPLICATION – SEAL COAT / TEXTURE COAT

1. Immediately after mixing, pour the material onto the surface in a continuous ribbon or bead
2. Using a flat rubber squeegee, spread the material evenly to the desired thickness
3. Coverage:
 - 5–8 mils (0.13–0.20 mm)
 - 200–320 ft² per gallon
4. To minimize texture, apply with a squeegee without back-rolling
5. For a uniform stippled texture:
 - Back-roll using a 3/8" nap roller
 - Maintain consistent pressure and direction
6. Spiked epoxy shoes are recommended to allow movement across wet material

Texture Control Tip

For enhanced uniformity, a second applicator may finish-roll in one continuous direction across the surface.

Note:

Unpigmented material may appear milky if applied thicker than 6 mils (0.15 mm). This will resolve as the coating cures.

CURE SCHEDULE (AT 75°F / 24°C)

- Initial Cure: 8–10 hours
- Cure time will vary with temperature and humidity
- Lower temperatures will extend cure times

RECOATING & TOPCOATING

- If applying additional coatings after 24 hours, the surface must be mechanically abraded
- Sand with 80-grit sandpaper
- Avoid aggressive grits that may leave deep grooves or swirl marks
- Thoroughly sand until uniform dullness is achieved
- Clean with detergent, rinse, allow to dry, and tack rag to remove fine dust

This step is required prior to applying River Resins urethane or other topcoat systems.

CLEANUP & DISPOSAL

- Clean tools immediately after use
- Dispose of unused material, containers, and waste in accordance with all federal, state, and local regulations



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STORAGE & SHELF LIFE (INSTALLATION REFERENCE)

- Store materials in original, unopened containers
- Keep in a dry, enclosed building out of direct sunlight
- Ideal material temperature prior to installation: 65–90°F for 24 hours
- Shelf life: Minimum 1 year in unopened containers



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