



TECHNICAL DATA SHEET

RR Series 6000 Epoxy

UV Stable Seamless Epoxy Topcoat (3:1)

- Product Number: 194-MO-104 (Part A)
- Product Number: 194-UO-107 (Part B)

PRODUCT DESCRIPTION

River Resins 6000 Series EPOXY is a durable, 100% solids, two-component epoxy gloss mid-coat/topcoat system. It exhibits excellent self-leveling properties, provides a crystal-clear finish, and offers strong resistance to yellowing.

This system is ideal as a final coat, enhancing cleanability while reducing concrete dusting and improving long-term surface durability.

TYPICAL USES

Designed for mid-coat or topcoat applications in commercial, industrial, and light institutional environments including:

- Manufacturing plants and warehouses
- Pharmaceutical facilities
- Aviation hangars and service areas
- Hotels, restaurants, and public spaces
- Educational institutions

PRODUCT ADVANTAGES

- 100% solids formulation
- Excellent durability and resilience
- Clear or pigmentable high-gloss finish
- Resistant to yellowing
- No amine blush or haze
- Superior self-leveling characteristics
- Compatible with River Resins 100% Solids Colorants

PACKAGING (Standard Kit Sizes)

4 Gallon Kit (MO-104CN3G/UO-107GL)

- (3 gal) Part A – Resin
- (1 gal) Part B – Hardener

20 Gallon Kit (MO-104CN/UO-107CN)

- (15 gal) Part A – Resin
- (5 gal) Part B – Hardener

200 Gallon Kit (MO-104DR50/UO-107DR50)

- (150 gal) Part A – Resin
- (50 gal) Part B – Hardener

Mix Ratio: 3:1 by volume

STORAGE

Store tightly sealed between 60°F – 86°F (16°C – 30°C) in a dry area out of direct sunlight.



TECHNICAL DATA SHEET

RR Series 6000 Epoxy

UV Stable Seamless Epoxy Topcoat (3:1)

- Product Number: 194-MO-104 (Part A)
- Product Number: 194-UO-107 (Part B)

COVERAGE RATES

- 155 ft² per gallon @ 10 mils DFT
- 98 ft² per gallon @ 16 mils DFT

Actual coverage will vary depending on substrate profile, porosity, and application method.

SURFACE PREPARATION

New concrete must cure a minimum of 28 days and preferably have a broom-swept finish prior to coating.

For existing concrete:

- Remove oils, paint, dust, and contaminants
- Confirm substrate passes Moisture Vapor Transmission (MVT) testing
- Perform water drop test
- Repair surface defects prior to coating

Do not apply:

- Above 32°C (90°F)
- Below 13°C (55°F)
- Within 3°C (5°F) of dew point

APPLICATION SYSTEM

Primer

Apply over River Resins compatible epoxy primer system.

Mixing

1. Blend 3 parts Part A with 1 part Part B by volume.
2. Mix 3–5 minutes using low-speed mechanical mixer.
3. Transfer to secondary container and remix.
4. Pour immediately onto floor – do not leave material in bucket.

Application

Apply using flat or notched squeegee at specified coverage rate.

Backroll using 10mm nap roller.

CURED PHYSICAL PROPERTIES

Property	Test Method	Test Method Result
Compressive Strength	C579	77 N/mm ²
Tensile Strength	ASTM C2370	50,332 kPa
Flexural Strength	ASTM D790	53,572 kPa
Shore D Hardness	ASTM D2240	80
Percent Elongation	ASTM D2370	6%
Water Absorption	ASTM C413	0.2%
Bond Strength	ASTM D4541	>3 N/mm ²
Abrasion Resistance	ASTM D4060	105 mg loss
Water Resistance	ASTM D1308	No Effect
Salt Water Resistance	ASTM B117	No Effect
Boiling Water Resistance	ASTM D2571	No Effect



TECHNICAL DATA SHEET

RR Series 6000 Epoxy

UV Stable Seamless Epoxy Topcoat (3:1)

- Product Number: 194-MO-104 (Part A)
- Product Number: 194-UO-107 (Part B)

CHEMICAL RESISTANCE

(ASTM D1308 Spot Testing)

- Excellent resistance to:
 - Sulfuric Acid (10%, 25%)
 - Nitric Acid (10%)
 - Hydrochloric Acid (10%)
 - Citric Acid (10%)
 - Lactic Acid (10%)
 - Sodium Chloride (20%)
 - Mineral Spirits
 - Water

Moderate to limited resistance to:

- Phosphoric Acid (10%)
- Brake Fluid
- Jet Fuel
- Strong solvents (Acetone, MEK, Xylene, Toluene, MIBK, Methylene Chloride)

LIQUID PHYSICAL PROPERTIES

Component A

- Viscosity: 6400 cps
- Flash Point: >93°C
- Weight per Liter: 1.10 kg
- Solids (by weight & volume): 100%

Component B

- Viscosity: 45 cps
- Flash Point: >93°C
- Weight per Litre: 0.95 kg
- Solids: 100%

Blended

- Mix Ratio: 3:1
- Solids: 100%
- Pot Life (6.8 kg mass): 24 minutes
- Blended Viscosity: 1000 cps
- VOC: 0 g/L

CURING SCHEDULE (70°F / 21°C @ 50% RH)

- Set to Touch: 8 hours
- Minimum Recoat: 12–14 hours
- Maximum Recoat: 48 hours
- Foot Traffic: 12 hours

Lower temperatures extend cure times.

Higher slab temperatures reduce pot life.

FLOOR & AIR TEMPERATURE LIMITS

- 13°C – 32°C (55°F – 90°F)



TECHNICAL DATA SHEET

RR Series 6000 Epoxy

UV Stable Seamless Epoxy Topcoat (3:1)

- Product Number: 194-M0-104 (Part A)
- Product Number: 194-U0-107 (Part B)

CLEAN UP

- Use River Resins approved solvent cleaner.

APPLICATION OVER EXISTING COATINGS

- Remove loose coating completely
- Sand edges to feather
- Degrease thoroughly
- Abrade surface until gloss is removed
- Vacuum and solvent wipe
- Conduct adhesion test patch prior to full application

DISCLAIMER

All statements and recommendations are based on data believed reliable. Application conditions are beyond manufacturer control. Suitability, risk, and liability remain with the user.



River Resins
1329 Harrison Ave SW
Canton, OH 44706
330.455.5125
www.riverresins.com